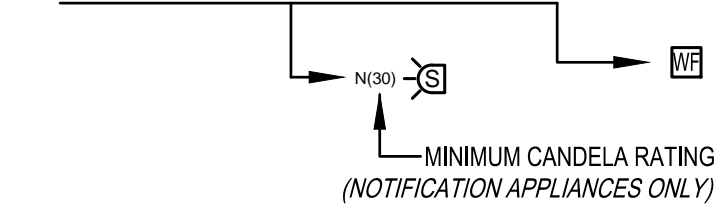


LEGEND

MF	WATERFLOW SWITCH	FACP	FIRE ALARM CONTROL PANEL
APS	ALARM PRESSURE SWITCH	FATC	FIRE ALARM TERMINAL CABINET
M	MANUAL PULL STATION	DPS	DISTRIBUTED POWER SUPPLY
SD	SMOKE DETECTOR	AI	ADDRESSABLE INTERFACE MODULE
H	HEAT DETECTOR	AC	ADDRESSABLE CONTROL MODULE
DSS	DUCT SMOKE DETECTOR (SUPPLY)	AR	ADDRESSABLE RELAY MODULE
DSR	DUCT SMOKE DETECTOR (RETURN)	SD	SMOKE DAMPER
RTI	REMOTE TEST/INDICATOR	FAR	FIRE ALARM RISER
FR	FIRE PUMP RUNNING CONTACT	JB	JUNCTION BOX
PP	FIRE PUMP POWER SUPERVISORY CONTACT	ELR	END OF LINE RESISTOR
FRV	FIRE PUMP PHASE REVERSAL CONTACT	BV	BUTTERFLY VALVE
LT	LOW TEMPERATURE DETECTOR	OV	OS&Y VALVE
LPS	SUPERVISORY LOW AIR PRESSURE SWITCH	PIV	POST INDICATOR VALVE
VT	VALVE TAMPER SWITCH	KN	KEYED NOTE SYMBOL
CMFH	CEILING MOUNTED FIRE ALARM HORN	CON(NEW)	CONDUIT (NEW)
CMFSS	CEILING MOUNTED FIRE ALARM STROBE	CON(EXIST)	CONDUIT (EXISTING)
CMFSS/H	CEILING MOUNTED FIRE ALARM STROBE/HORN		
WMFH	WALL MOUNTED FIRE ALARM HORN		
WMFSS/H	WALL MOUNTED FIRE ALARM HORN/STROBE		
FS	FIRE ALARM STROBE		

DEVICE KEY

N - NEW DEVICE
 ED - EXISTING TO BE DELETED
 ER - EXISTING TO BE REPLACED



GENERAL NOTES

- RELOCATE, REPLACE, REMOVE, OR PROVIDE NEW FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES AS NOTED IN CONTRACT DOCUMENTS.
- PROVIDE RACEWAY AND CIRCUITRY FOR ALL FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES SHOWN ON THIS SHEET. CONNECT DEVICES AND APPLIANCES TO FIRE ALARM PANEL AS SHOWN ON RISER DIAGRAM. EXISTING CONDUIT MAY BE RE-USED.
- ALL EXISTING NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS DEPICT THE EXISTING APPLIANCE TYPE. ALL EXISTING NOTIFICATION APPLIANCES NOTED FOR REPLACEMENT SHALL BE REPLACED WITH HORN/STROBES. NEW NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS ILLUSTRATE MANDATORY LOCATIONS FOR NEW APPLIANCES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING FIRE ALARM COMPONENTS AND RACEWAY. NEW FIRE ALARM COMPONENTS SHALL BE LOCATED IN ACCORDANCE WITH PLACEMENTS SHOWN ON ARCHITECTURAL DETAIL SHEETS.
- REFER TO ELECTRICAL DRAWINGS AND DOOR SCHEDULE. DOOR ACCESS CONTROL DEVICES TO BE INTERFACED WITH FIRE ALARM SYSTEM.

KEYED NOTES

- MONITOR ZONES FOR EXISTING PREACTION VALVE STATION ARE CONNECTED TO THE BUILDING SECURITY SYSTEM. THE FIRE ALARM CONTRACTOR SHALL REMOVE EXISTING WIRING AND CONDUIT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR.
- INSTALL HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER LOCATED IN ELEVATOR CLOSET.
- REPLACE EXISTING FIRE ALARM HORN WITH A 75 CANDELA HORN/STROBE
- ROUTE NEW FIRE ALARM RISER UP TO FIRST FLOOR.
- SEE SHEET FA-04 FOR ADDITIONAL DEVICE ZONES FOR NEW FIRE SUPPRESSION EQUIPMENT.
- ADDRESSABLE RELAY FOR MAGNETIC DOOR LOCK POWER INTERRUPT. COORDINATE WITH ELECTRICAL CONTRACTOR.

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL: (816) 931-3377
 FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

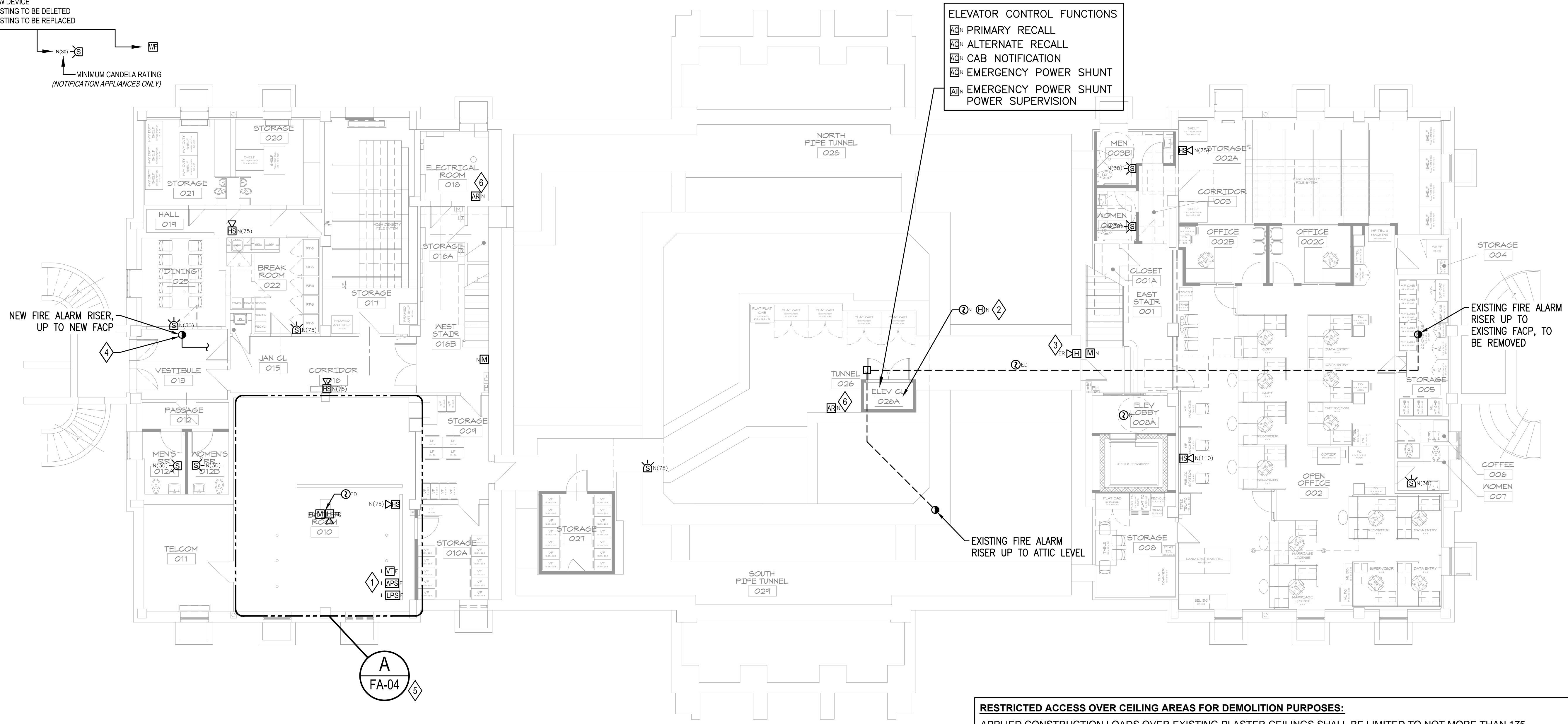
SHEET TITLE & NUMBER
 LOWER LEVEL
 FIRE ALARM PLAN

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FA-00

FA-00.DWG

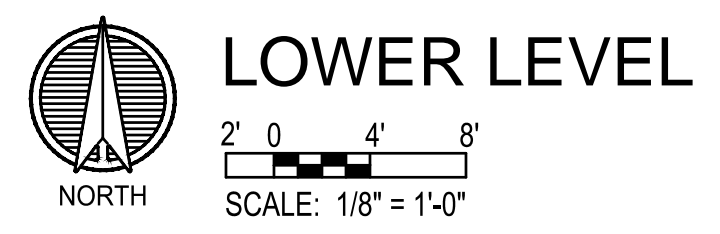
PLOT: JENNIFER BRAY October 19, 2012 8:17 AM 1" = 1'-0" KP-BMW-FULLSIZE.CTB (LAYOUT: LOWER LEVEL)
 JENNIFER B Thursday, October 18, 2012 2:10:12 PM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FA-00.DWG



ELEVATOR CONTROL FUNCTIONS

- AC PRIMARY RECALL
- AL ALTERNATE RECALL
- CB CAB NOTIFICATION
- EP EMERGENCY POWER SHUNT
- AS EMERGENCY POWER SHUNT POWER SUPERVISION

RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
 APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

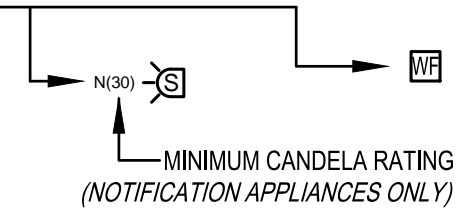


LEGEND

WATERFLOW SWITCH	FIRE ALARM CONTROL PANEL
ALARM PRESSURE SWITCH	FIRE ALARM TERMINAL CABINET
MANUAL PULL STATION	DISTRIBUTED POWER SUPPLY
SMOKE DETECTOR	ADDRESSABLE INTERFACE MODULE
HEAT DETECTOR	ADDRESSABLE CONTROL MODULE
DUCT SMOKE DETECTOR (SUPPLY)	ADDRESSABLE RELAY MODULE
DUCT SMOKE DETECTOR (RETURN)	SMOKE DAMPER
REMOTE TEST/INDICATOR	FIRE ALARM RISER
FIRE PUMP RUNNING CONTACT	JUNCTION BOX
FIRE PUMP POWER SUPERVISORY CONTACT	END OF LINE RESISTOR
FIRE PUMP PHASE REVERSAL CONTACT	BUTTERFLY VALVE
LOW TEMPERATURE DETECTOR	OS&Y VALVE
SUPERVISORY LOW AIR PRESSURE SWITCH	POST INDICATOR VALVE
VALVE TAMPER SWITCH	KEYED NOTE SYMBOL
CEILING MOUNTED FIRE ALARM HORN	CONDUIT (NEW)
CEILING MOUNTED FIRE ALARM STROBE	CONDUIT (EXISTING)
CEILING MOUNTED FIRE ALARM STROBE/HORN	
WALL MOUNTED FIRE ALARM HORN	
WALL MOUNTED FIRE ALARM HORN/STROBE	
FIRE ALARM STROBE	

DEVICE KEY

N - NEW DEVICE
 ED - EXISTING TO BE DELETED
 ER - EXISTING TO BE REPLACED



GENERAL NOTES

1. RELOCATE, REPLACE, REMOVE, OR PROVIDE NEW FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES AS NOTED IN CONTRACT DOCUMENTS.
2. PROVIDE RACEWAY AND CIRCUITRY FOR ALL FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES SHOWN ON THIS SHEET. CONNECT DEVICES AND APPLIANCES TO FIRE ALARM PANEL AS SHOWN ON RISER DIAGRAM. EXISTING CONDUIT MAY BE RE-USED.
3. ALL EXISTING NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS DEPICT THE EXISTING APPLIANCE TYPE. ALL EXISTING NOTIFICATION APPLIANCES NOTED FOR REPLACEMENT SHALL BE REPLACED WITH HORN/STROBES. NEW NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS ILLUSTRATE MANDATORY LOCATIONS FOR NEW APPLIANCES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING FIRE ALARM COMPONENTS AND RACEWAY. NEW FIRE ALARM COMPONENTS SHALL BE LOCATED IN ACCORDANCE WITH PLACEMENTS SHOWN ON ARCHITECTURAL DETAIL SHEETS.
5. REFER TO ELECTRICAL DRAWINGS AND DOOR SCHEDULE. DOOR ACCESS CONTROL DEVICES TO BE INTERFACED WITH FIRE ALARM SYSTEM.

KEYED NOTES

- 1 EXISTING FIRE ALARM CONTROL PANEL, TO BE REMOVED.
- 2 REPLACE EXISTING WALL MOUNTED SMOKE DETECTOR. CONDUIT MAY BE REUSED.
- 3 REPLACE EXISTING FIRE ALARM HORN WITH A 110 CANDELA HORN/STROBE. CONDUIT MAY BE REUSED.
- 4 INSTALL NEW WALL MOUNTED SMOKE DETECTOR 4" TO 12" FROM CEILING. ROUTE CONDUIT IN ADJACENT SHAFT FROM BASEMENT. REFERENCE ARCHITECTURAL DETAILS FOR EXACT MOUNTING LOCATION.
- 5 NEW HORN/STROBE. ROUTE CONDUIT IN ADJACENT SHAFT FROM BASEMENT.
- 6 LOCATE NEW FIRE ALARM CONTROL PANEL IN WEST VESTIBULE. PANEL MAY BE SURFACE MOUNTED.
- 7 INSTALL NEW WALL MOUNTED SMOKE DETECTOR ABOVE PANEL AT 4" TO 12" FROM CEILING. WIRE MOLD RACEWAY BETWEEN PANEL AND DETECTOR MAY BE USED.

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL. (816) 931-3377
 FAX. (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

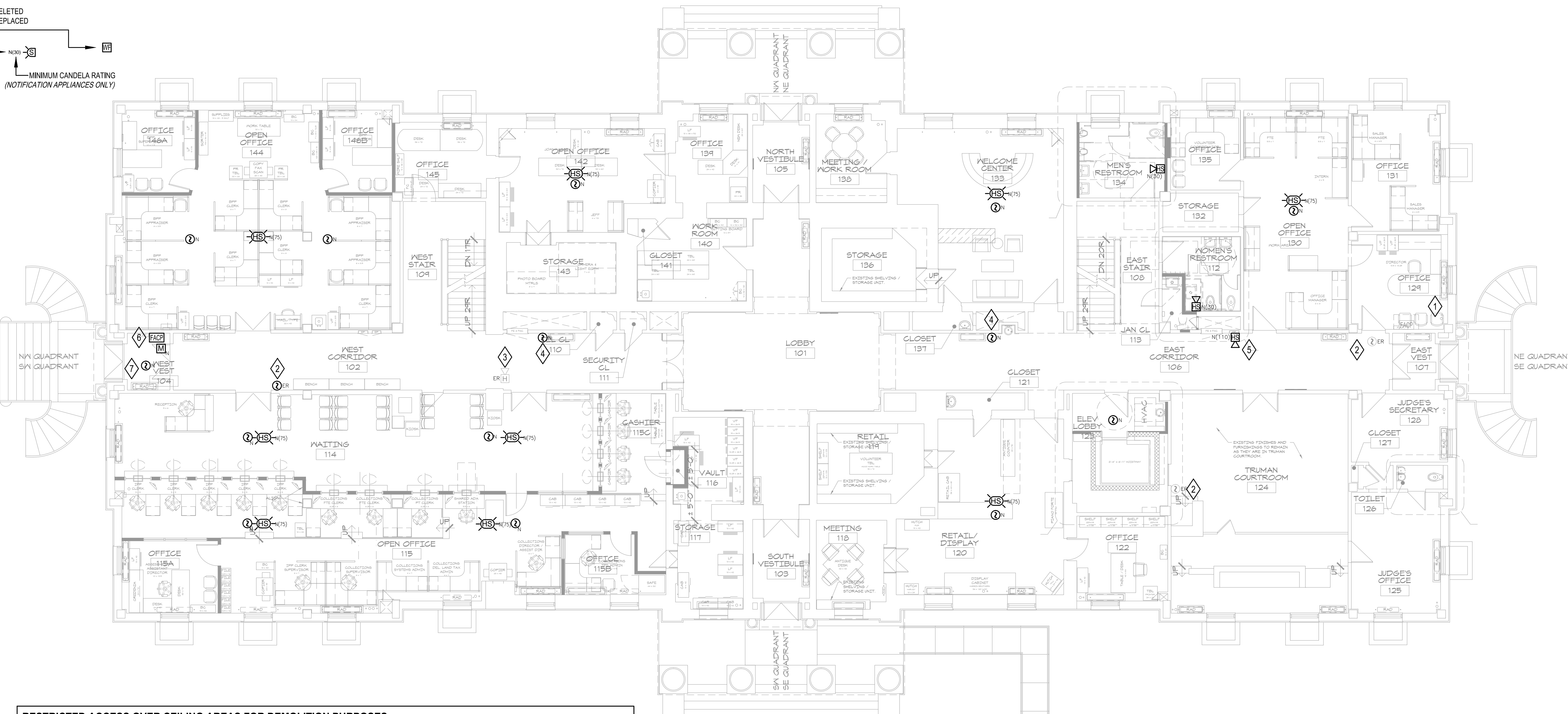
SHEET TITLE & NUMBER

FIRST FLOOR
 FIRE ALARM PLAN

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FA-01

FA-01.DWG



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
 APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

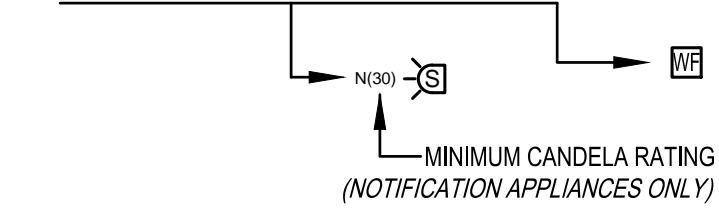
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 JENNIFERB Thursday, October 18, 2012 2:45 PM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE ((AA))\CADD\CURRENT\FA-01.DWG

LEGEND

WATERFLOW SWITCH	FIRE ALARM CONTROL PANEL
ALARM PRESSURE SWITCH	FIRE ALARM TERMINAL CABINET
MANUAL PULL STATION	DISTRIBUTED POWER SUPPLY
SMOKE DETECTOR	ADDRESSABLE INTERFACE MODULE
HEAT DETECTOR	ADDRESSABLE CONTROL MODULE
DUCT SMOKE DETECTOR (SUPPLY)	ADDRESSABLE RELAY MODULE
DUCT SMOKE DETECTOR (RETURN)	SMOKE DAMPER
REMOTE TEST/INDICATOR	FIRE ALARM RISER
FIRE PUMP RUNNING CONTACT	JUNCTION BOX
FIRE PUMP POWER SUPERVISORY CONTACT	END OF LINE RESISTOR
FIRE PUMP PHASE REVERSAL CONTACT	BUTTERFLY VALVE
LOW TEMPERATURE DETECTOR	OS&Y VALVE
SUPERVISORY LOW AIR PRESSURE SWITCH	POST INDICATOR VALVE
VALVE TAMPER SWITCH	KEYED NOTE SYMBOL
CEILING MOUNTED FIRE ALARM HORN	CONDUIT (NEW)
CEILING MOUNTED FIRE ALARM STROBE	CONDUIT (EXISTING)
CEILING MOUNTED FIRE ALARM STROBE/HORN	
WALL MOUNTED FIRE ALARM HORN	
WALL MOUNTED FIRE ALARM HORN/STROBE	
FIRE ALARM STROBE	

DEVICE KEY

N - NEW DEVICE
 ED - EXISTING TO BE DELETED
 ER - EXISTING TO BE REPLACED

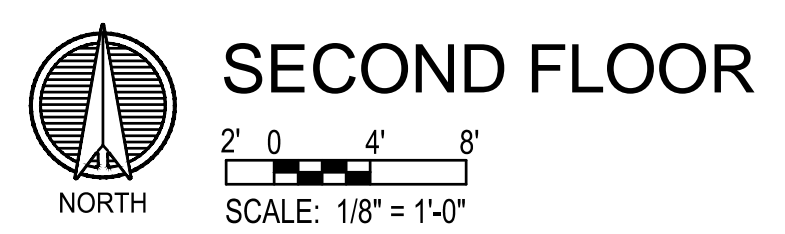
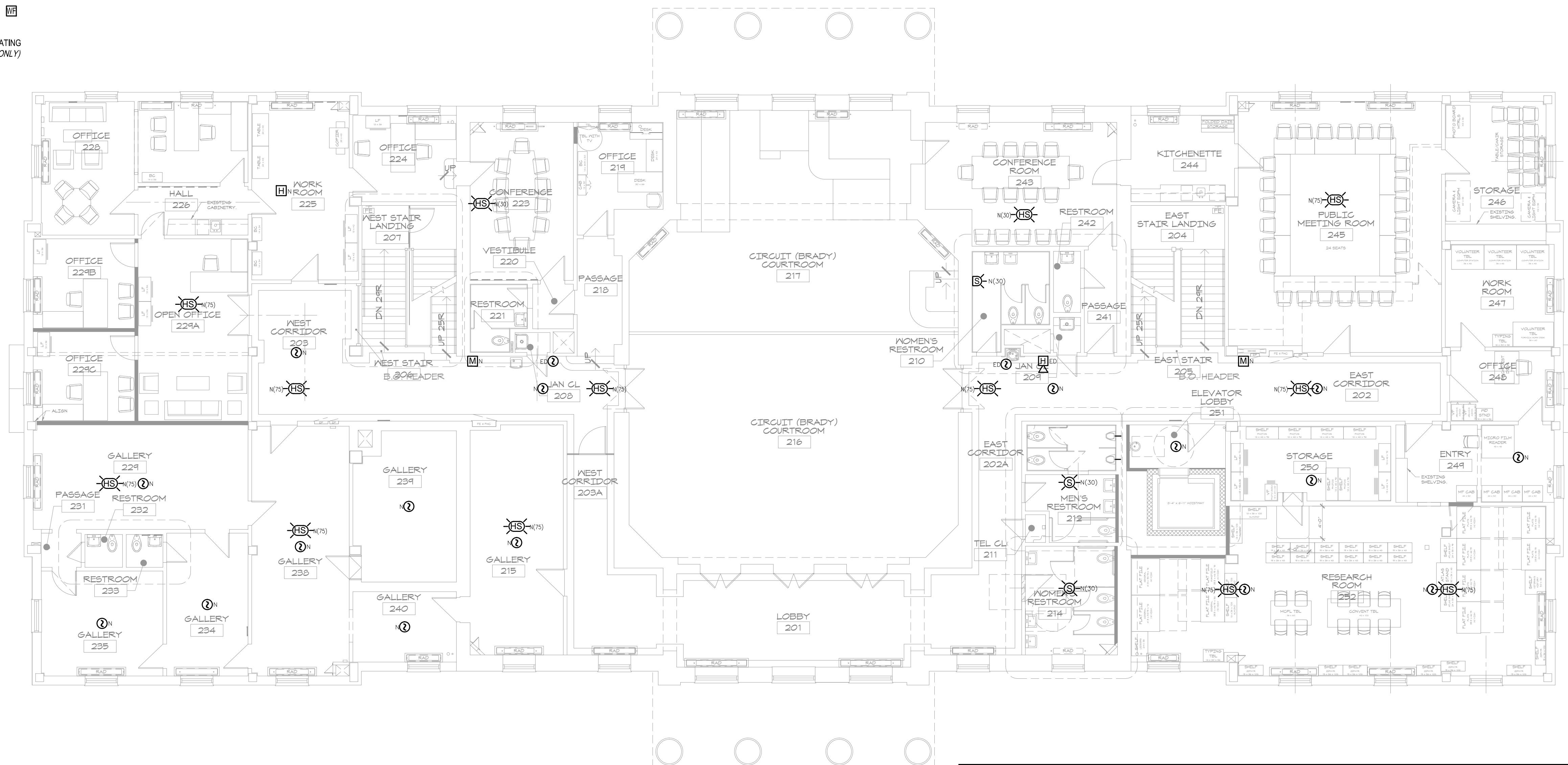


GENERAL NOTES

- RELOCATE, REPLACE, REMOVE, OR PROVIDE NEW FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES AS NOTED IN CONTRACT DOCUMENTS.
- PROVIDE RACEWAY AND CIRCUITRY FOR ALL FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES SHOWN ON THIS SHEET. CONNECT DEVICES AND APPLIANCES TO FIRE ALARM PANEL AS SHOWN ON RISER DIAGRAM. EXISTING CONDUIT MAY BE RE-USED.
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- REFER TO ELECTRICAL DRAWINGS AND DOOR SCHEDULE. DOOR ACCESS CONTROL DEVICES TO BE INTERFACED WITH FIRE ALARM SYSTEM.

KEYED NOTES

NONE.



SECOND FLOOR

RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL. (816) 931-3377
 FAX. (816) 931-3378

HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

SECOND FLOOR
 FIRE ALARM PLAN

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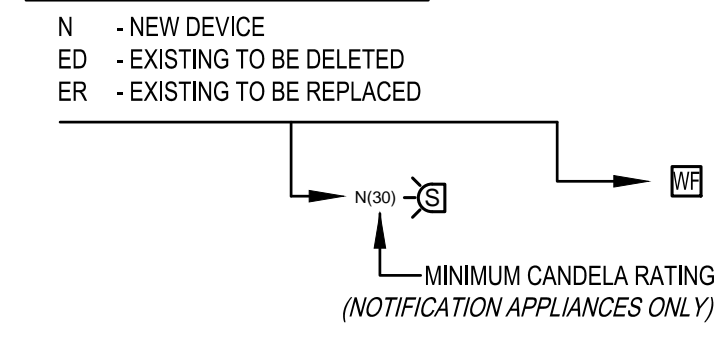
FA-02

PLOT: JENNIFER BRAY October 19, 2012 8:25 AM 1" = 1'-0" KP-BMW-FULLSIZE.CTB (LAYOUT: FA-02 SECOND FLOOR FIRE ALARM PLAN)
 JENNIFERB Thursday, October 18, 2012 2:45 PM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FA-02.DWG

LEGEND

	WATERFLOW SWITCH		FIRE ALARM CONTROL PANEL
	ALARM PRESSURE SWITCH		FIRE ALARM TERMINAL CABINET
	MANUAL PULL STATION		DISTRIBUTED POWER SUPPLY
	SMOKE DETECTOR		ADDRESSABLE INTERFACE MODULE
	HEAT DETECTOR		ADDRESSABLE CONTROL MODULE
	DUCT SMOKE DETECTOR (SUPPLY)		ADDRESSABLE RELAY MODULE
	DUCT SMOKE DETECTOR (RETURN)		SMOKE DAMPER
	REMOTE TEST/INDICATOR		FIRE ALARM RISER
	FIRE PUMP RUNNING CONTACT		JUNCTION BOX
	FIRE PUMP POWER SUPERVISORY CONTACT		END OF LINE RESISTOR
	FIRE PUMP PHASE REVERSAL CONTACT		BUTTERFLY VALVE
	LOW TEMPERATURE DETECTOR		OS&Y VALVE
	SUPERVISORY LOW AIR PRESSURE SWITCH		POST INDICATOR VALVE
	VALVE TAMPER SWITCH		KEYED NOTE SYMBOL
	CEILING MOUNTED FIRE ALARM HORN		CONDUIT (NEW)
	CEILING MOUNTED FIRE ALARM STROBE		CONDUIT (EXISTING)
	CEILING MOUNTED FIRE ALARM STROBE/HORN		
	WALL MOUNTED FIRE ALARM HORN		
	WALL MOUNTED FIRE ALARM HORN/STROBE		
	FIRE ALARM STROBE		

DEVICE KEY

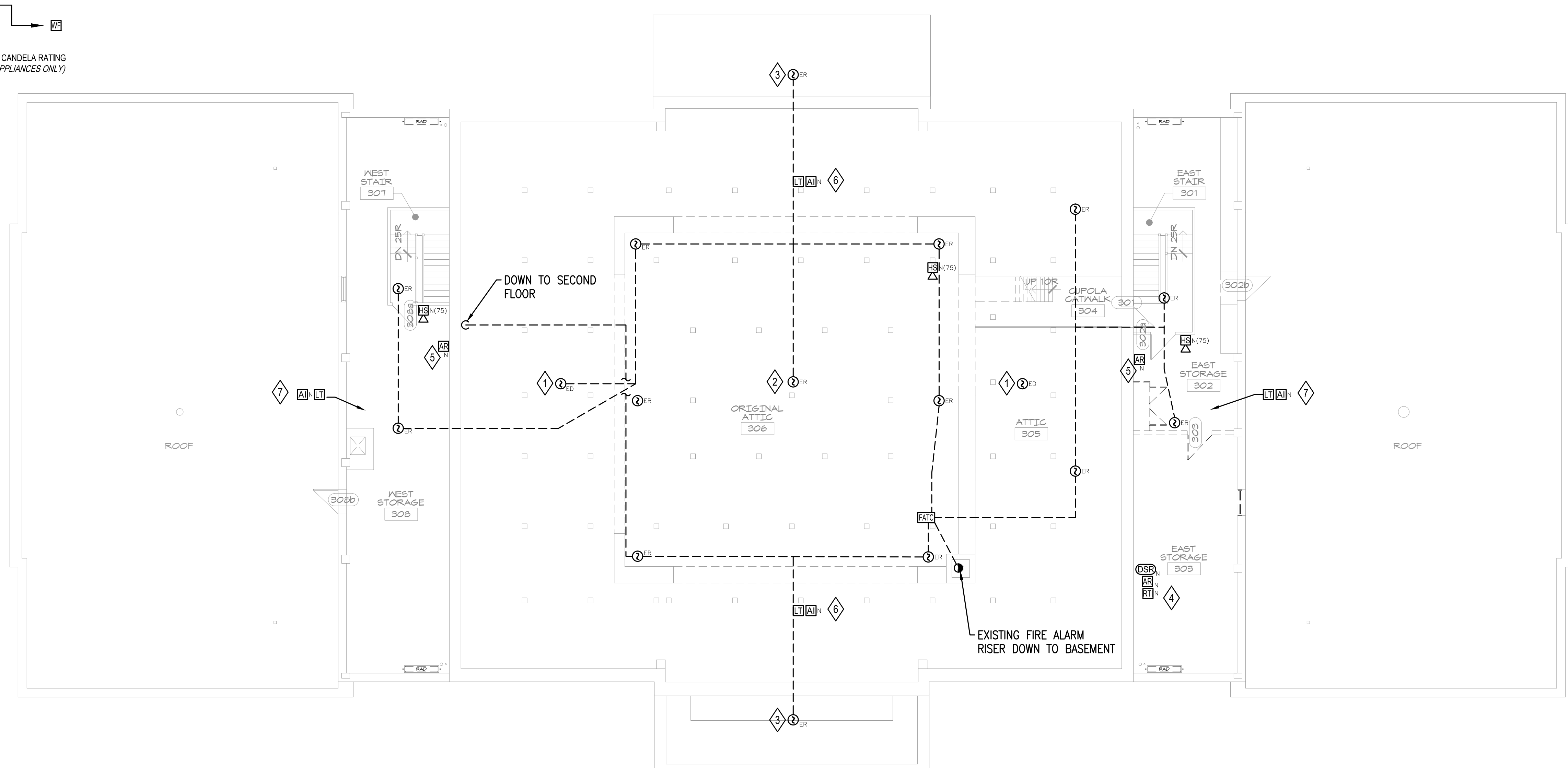


GENERAL NOTES

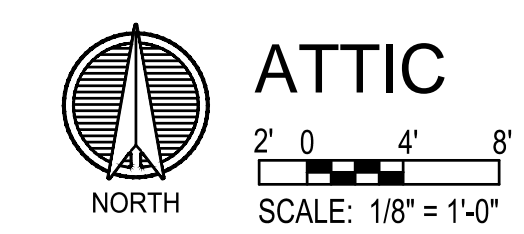
- RELOCATE, REPLACE, REMOVE, OR PROVIDE NEW FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES AS NOTED IN CONTRACT DOCUMENTS.
- PROVIDE RACEWAY AND CIRCUITRY FOR ALL FIRE ALARM INITIATING DEVICES, CONTROL DEVICES AND NOTIFICATION APPLIANCES SHOWN ON THIS SHEET. CONNECT DEVICES AND APPLIANCES TO FIRE ALARM PANEL AS SHOWN ON RISER DIAGRAM. EXISTING CONDUIT MAY BE RE-USED.
- ALL EXISTING NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS DEPICT THE EXISTING APPLIANCE TYPE. ALL EXISTING NOTIFICATION APPLIANCES NOTED FOR REPLACEMENT SHALL BE REPLACED WITH HORN/STROBES. NEW NOTIFICATION APPLIANCES SHOWN ON THE DRAWINGS ILLUSTRATE MANDATORY LOCATIONS FOR NEW APPLIANCES. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING FIRE ALARM COMPONENTS AND RACEWAY. NEW FIRE ALARM COMPONENTS SHALL BE LOCATED IN ACCORDANCE WITH PLACEMENTS SHOWN ON ARCHITECTURAL DETAIL SHEETS.
- REFER TO ELECTRICAL DRAWINGS AND DOOR SCHEDULE. DOOR ACCESS CONTROL DEVICES TO BE INTERFACED WITH FIRE ALARM SYSTEM.

KEYED NOTES

- EXISTING SMOKE DETECTOR TO BE REMOVED LOCATED IN UPPER ROOF CONCEALED SPACE.
- SMOKE DETECTOR LOCATED AT CLOCK TOWER MACHINE LEVEL.
- EXISTING SMOKE DETECTOR TO BE REMOVED IS LOCATED IN PORTICO ATTIC. REPLACE WITH ADDRESSABLE HEAT DETECTOR.
- LOCATE DUCT SMOKE DETECTOR ON RETURN OF NEW AIR HANDLER. COORDINATE WITH MECHANICAL DRAWINGS
- ADDRESSABLE RELAY FOR MAGNETIC DOOR LOCK POWER INTERRUPT. COORDINATE WITH ELECTRICAL CONTRACTOR.
- LOCATE LOW TEMPERATURE DETECTOR ON SUPPORT COLUMN AT 3'-0" ABOVE FLOOR.
- LOCATE LOW TEMPERATURE DETECTOR IN ATTIC ROOF SPACE ABOVE STORAGE ROOM.



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL: (816) 931-3377
 FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR
 CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER
**ATTIC
 FIRE ALARM PLAN**

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FA-03

PLOT: JENNIFER BRAY October 19, 2012 8:26 AM 1" = 1'-0" KIP-B&W-FULLSIZE.CTB (LAYOUT: FA-03 ATTIC FIRE ALARM PLAN)
 JENNIFERB Thursday, October 18, 2012 2:12 PM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FA-FA-03.DWG

LEGEND

- | | | | |
|--|--|--|------------------------------|
| | WATERFLOW SWITCH | | FIRE ALARM CONTROL PANEL |
| | ALARM PRESSURE SWITCH | | FIRE ALARM TERMINAL CABINET |
| | MANUAL PULL STATION | | DISTRIBUTED POWER SUPPLY |
| | SMOKE DETECTOR | | ADDRESSABLE INTERFACE MODULE |
| | HEAT DETECTOR | | ADDRESSABLE CONTROL MODULE |
| | DUCT SMOKE DETECTOR (SUPPLY) | | ADDRESSABLE RELAY MODULE |
| | DUCT SMOKE DETECTOR (RETURN) | | SMOKE DAMPER |
| | REMOTE TEST/INDICATOR | | FIRE ALARM RISER |
| | FIRE PUMP RUNNING CONTACT | | JUNCTION BOX |
| | FIRE PUMP POWER SUPERVISORY CONTACT | | END OF LINE RESISTOR |
| | FIRE PUMP PHASE REVERSAL CONTACT | | BUTTERFLY VALVE |
| | LOW TEMPERATURE DETECTOR | | OS&Y VALVE |
| | SUPERVISORY LOW AIR PRESSURE SWITCH | | POST INDICATOR VALVE |
| | VALVE TAMPER SWITCH | | KEYED NOTE SYMBOL |
| | CEILING MOUNTED FIRE ALARM HORN | | CONDUIT (NEW) |
| | CEILING MOUNTED FIRE ALARM STROBE/HORN | | CONDUIT (EXISTING) |
| | WALL MOUNTED FIRE ALARM HORN | | |
| | WALL MOUNTED FIRE ALARM HORN/STROBE | | |
| | FIRE ALARM STROBE | | |

DEVICE KEY

- N - NEW DEVICE
 - ED - EXISTING TO BE DELETED
 - ER - EXISTING TO BE REPLACED
-

KEYED NOTES

- 1 MONITOR CITY BY-PASS SUPPLY AND DISCHARGE OS&Y VALVE TAMPER SWITCHES ON ONE INITIATING DEVICE ZONE.
- 2 MONITOR PRESSURE MAINTENANCE PUMP SUPPLY AND DISCHARGE VALVE TAMPER SWITCHES ON ONE INITIATING DEVICE ZONE.
- 3 MONITOR BACKFLOW PREVENTER SUPPLY AND DISCHARGE OS&Y VALVE TAMPER SWITCHES ON ONE INITIATING DEVICE ZONE.

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL. (816) 931-3377
 FAX. (816) 931-3378

HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR
 CONSTRUCTION

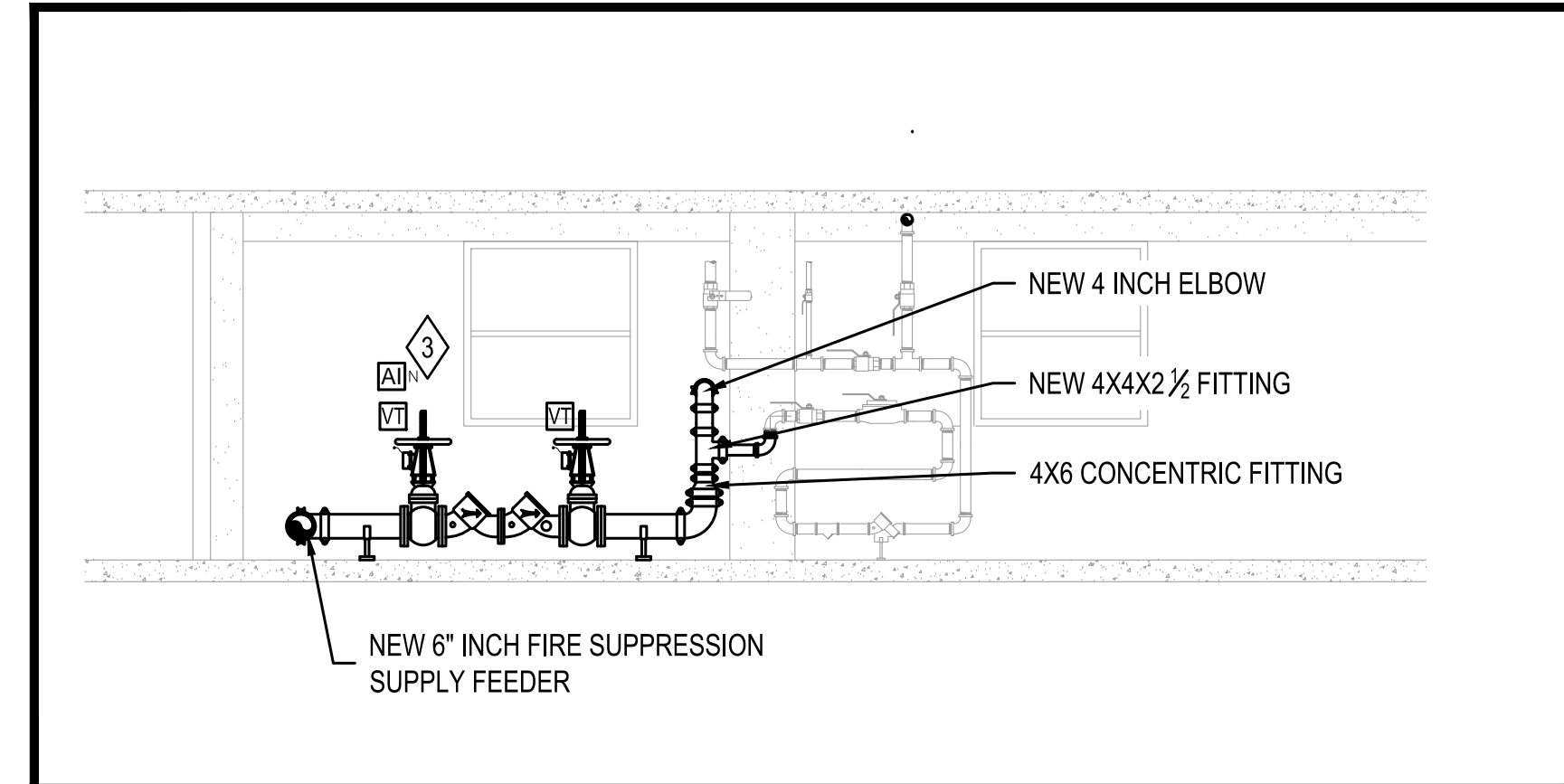
PROJECT NO.	10-19-2012
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

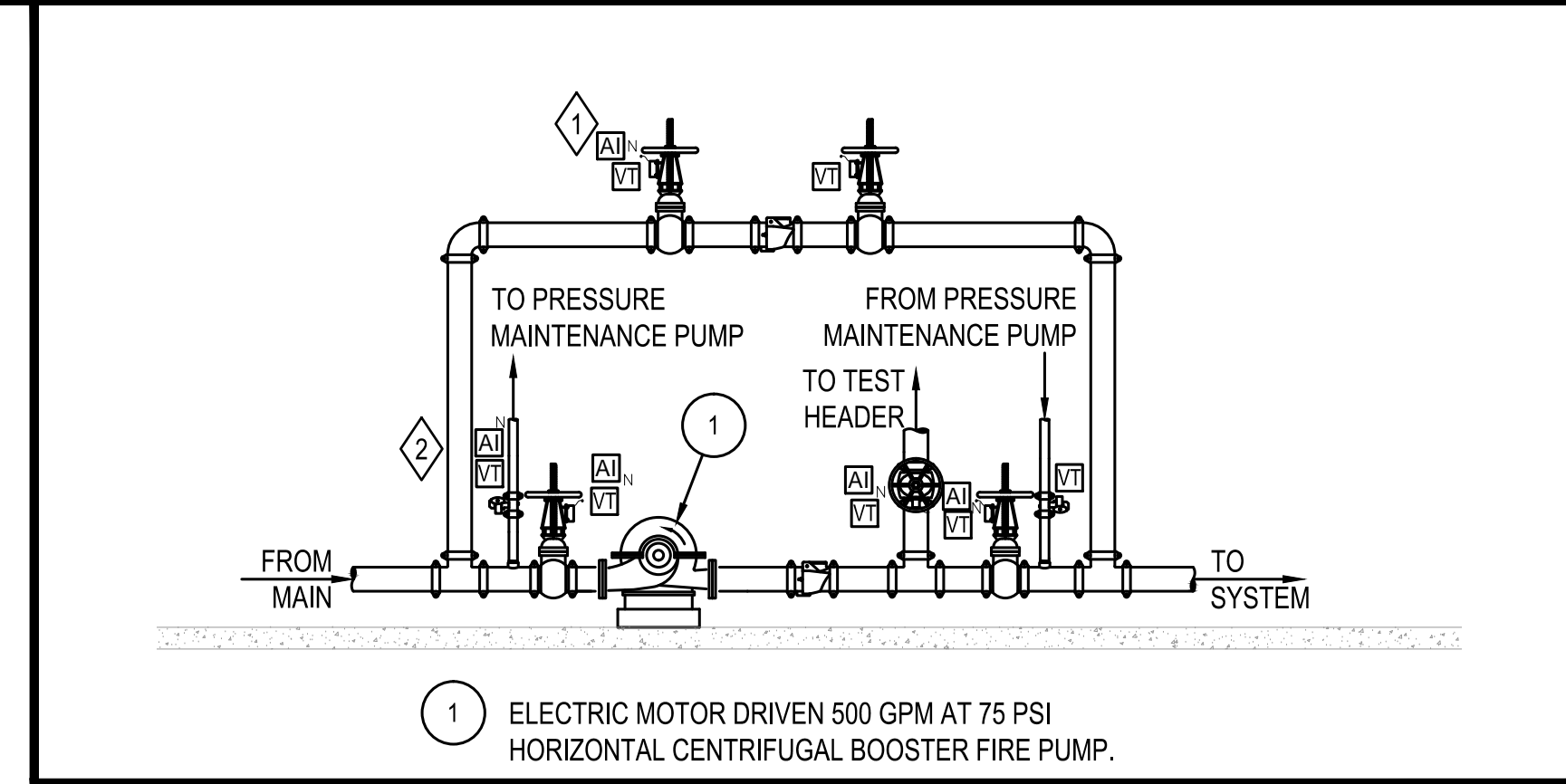
FIRE ALARM DETAILS

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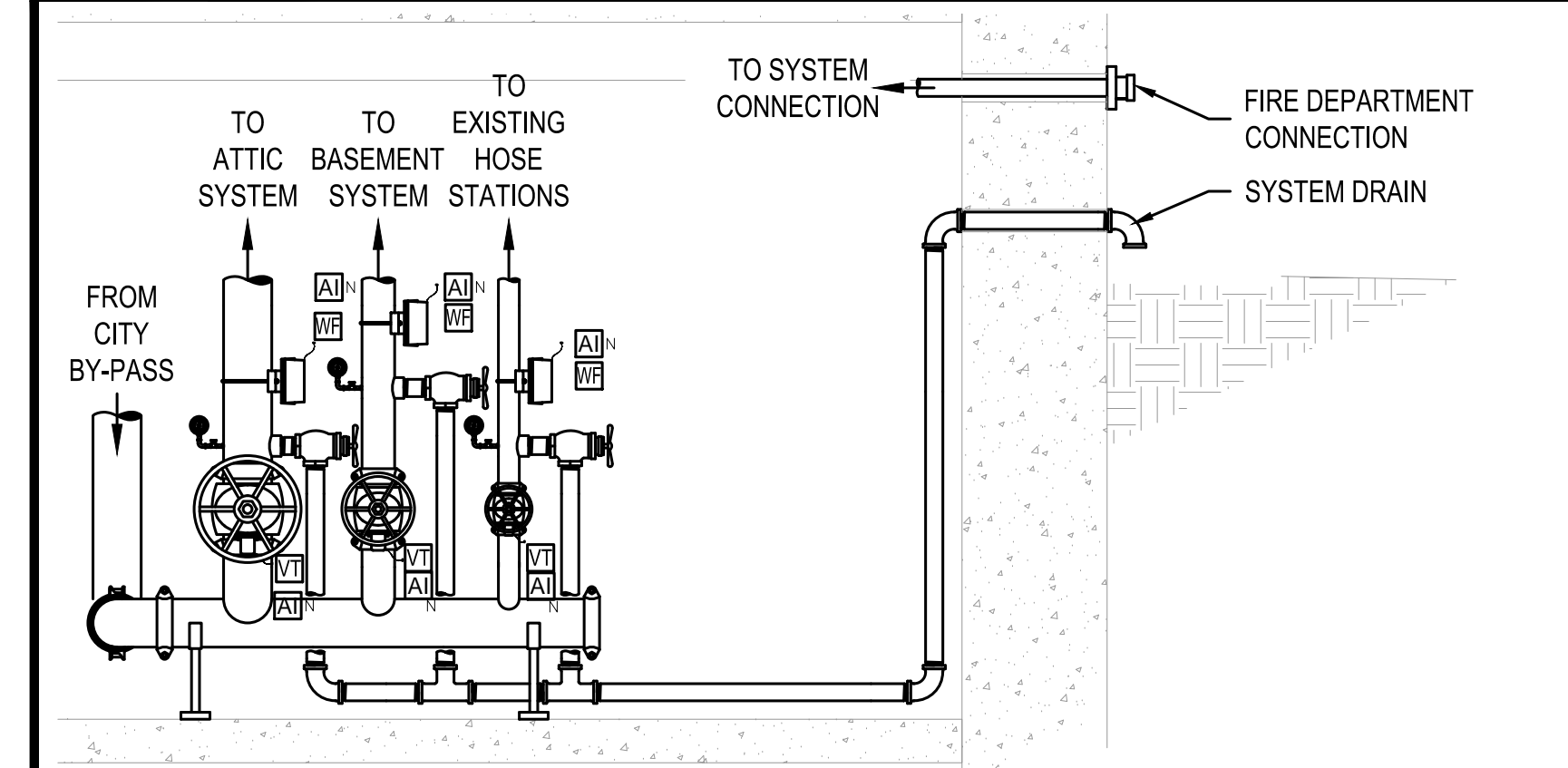
FA-04



D MODIFIED WATER SERVICE MANIFOLD DETAIL
 FA-04 SCALE: NONE

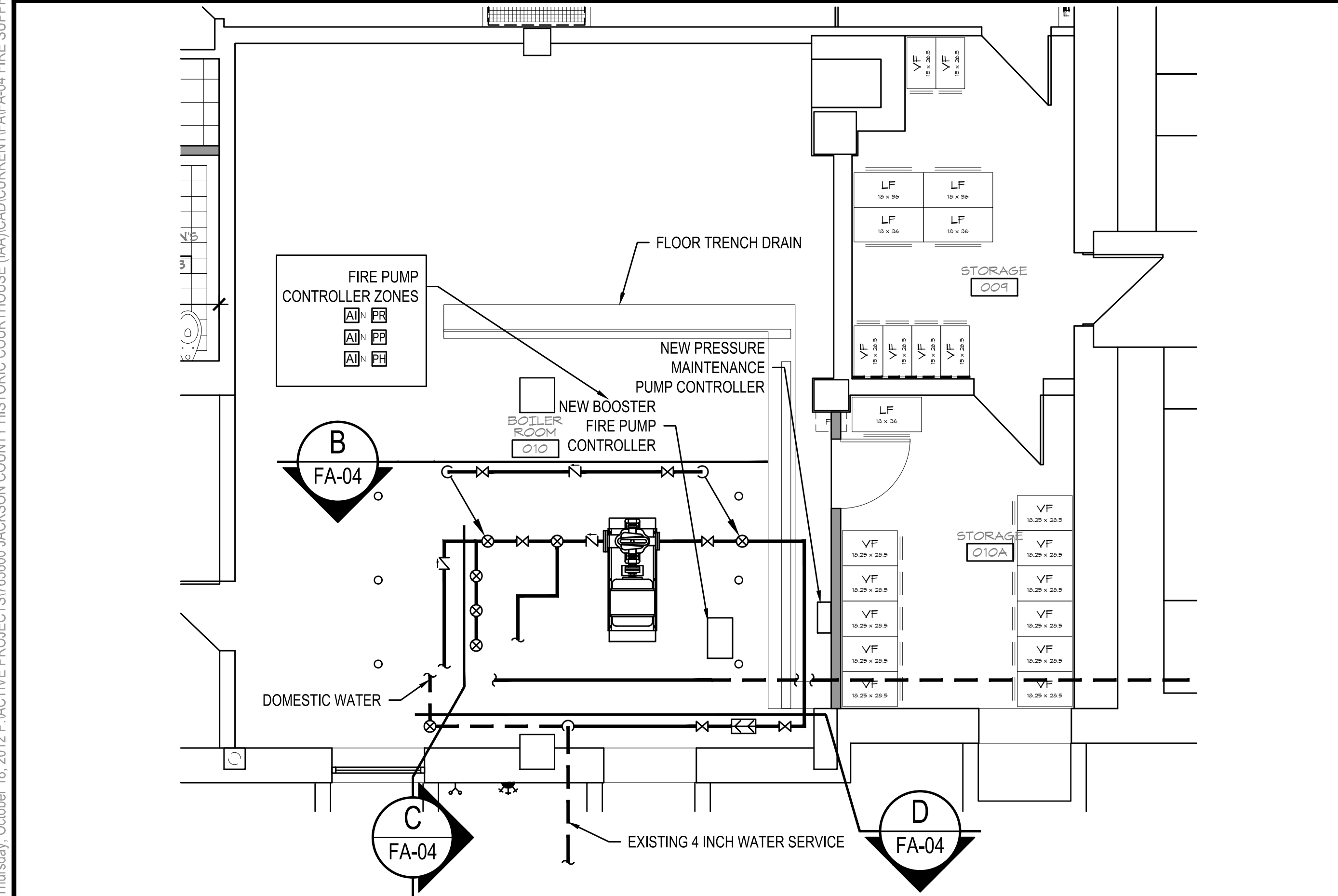


B FIRE PUMP DETAIL
 FA-04 SCALE: NONE



C WET PIPE VALVE STATIONS
 FA-04 SCALE: NONE

PLOT: JENNIFER BRAY October 19, 2012 8:30 AM 11" = 1'-0" KP-B&W-FULLSIZE.CTB (LAYOUT: FIRE ALARM DETAILS)
 JENNIFERB Thursday, October 18, 2012 10:12 AM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FA-04 FIRE SUPPRESSION DETAILS.DWG



A NEW FIRE SUPPRESSION PLAN
 FA-00 SCALE: 1/4" = 1'-0"

RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
 APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

PLOT: JENNIFER BRAY October 19, 2012 8:32 AM 11 = 1'-0" (KP-B&W-FULLSIZE.CTB (LAYOUT: FA-05 FIRE ALARM PLAN))
 JENNIFERB Thursday, October 18, 2012 10:56 AM (ACTIVE PROJECTS)765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA) (CAD) (CURRENT) FA-05.DWG

EVENT	ACTIVATE BUILDING NOTIFICATION CIRCUITS	ANNUNCIATE ON FIRE ALARM CONTROL PANEL	SHUT DOWN AIR HANDLER	SHUT ASSOCIATED DAMPER	RELEASE ACCESS CONTROLLED EGRESS DOORS	RECALL ELEVATOR - DESIGNATED LEVEL	RECALL ELEVATOR - ALTERNATE LEVEL	START ELEVATOR TRAVEL TIMER	SHUT DOWN ELEVATOR POWER	ACTIVATE ELEVATOR IN-CAB NOTIFICATION	ACTIVATE COMMON ALARM DACT OUTPUT	ACTIVATE COMMON SUPERVISORY DACT OUTPUT	ACTIVATE COMMON TROUBLE DACT OUTPUT
WATERFLOW SWITCH ACTIVATION		•									•		
MANUAL PULL STATION ACTIVATION		•											
GENERAL AREA SMOKE DETECTOR ACTIVATION		•											
ELEVATOR LOBBY SMOKE DETECTOR ACTIVATION		•											
ELEVATOR LOBBY SMOKE DETECTOR ACTIVATION - DESIGNATED LEVEL		•											
ELEVATOR MACHINE ROOM SMOKE DETECTOR ACTIVATION		•											
ELEVATOR MACHINE ROOM HEAT DETECTOR ACTIVATION		•											
ELEVATOR TRAVEL TIMER - TIME OUT													
ELEVATOR SHUNT TRIP BREAKER LOSS OF POWER			•									•	
DUCT SMOKE DETECTOR ACTIVATION		•	•		•								•
LOW BUILDING TEMPERATURE DETECTOR ACTIVATION			•										•
PUMP RUNNING			•										•
PUMP POWER LOSS			•										•
PUMP PHASE REVERSAL			•										•
VALVE TAMPER SWITCH ACTIVATION				•									•
PANEL OR CIRCUIT TROUBLE CONDITION													•
DUCT TROUBLE CONDITION													•

FIRE ALARM MATRIX

GENERAL NOTES

1. MODIFY OR CONNECT FIELD CIRCUITRY TO PANELS AS SHOWN ON THIS SHEET. THE EXACT ORDER OF INITIATING DEVICES MAY BE MODIFIED BY THE CONTRACTOR. THE CONTRACTOR PREPARED SHOP DRAWINGS SHALL ILLUSTRATE ALL MODIFICATIONS.
2. LABEL DEVICES OR ZONES ON SHOP DRAWINGS.
3. NOTIFICATION APPLIANCE CIRCUITS ILLUSTRATE THE MINIMUM NUMBER OF CIRCUITS ALLOWED AND BOUNDARIES OF NOTIFICATION APPLIANCE ZONES. ANY GIVEN CIRCUIT MAY BE REQUIRED TO BE SPLIT INTO TWO OR MORE CIRCUITS BASED ON POWER CONSUMPTION, WIRE SIZES, SPECIFIC PANEL CAPABILITIES AND SPECIFICATION REQUIREMENTS.
4. THE FIRE ALARM PANEL SHALL BE CONFIGURED AND PROGRAMMED TO OPERATE AS OUTLINED IN THE SPECIFICATIONS AND ON THE FIRE ALARM MATRIX.

LEGEND

- WS WATERFLOW SWITCH
- MS MANUAL PULL STATION
- SD SMOKE DETECTOR
- HD HEAT DETECTOR
- SSS DUCT SMOKE DETECTOR (SUPPLY)
- SSR DUCT SMOKE DETECTOR (RETURN)
- RTI REMOTE TEST/INDICATOR
- FR FIRE PUMP RUNNING CONTACT
- FP FIRE PUMP POWER SUPERVISORY CONTACT
- PR FIRE PUMP PHASE REVERSAL CONTACT
- LT LOW TEMPERATURE DETECTOR
- VT VALVE TAMPER SWITCH
- CBM CEILING MOUNTED FIRE ALARM BUZZER
- CHM CEILING MOUNTED FIRE ALARM HORN
- CSM CEILING MOUNTED FIRE ALARM STROBE
- CHMSM CEILING MOUNTED FIRE ALARM HORN/STROBE
- WMW WALL MOUNTED FIRE ALARM HORN
- WMSM WALL MOUNTED FIRE ALARM HORN/STROBE
- FS FIRE ALARM STROBE
- MDH MAGNETIC DOOR HOLDER
- DAM DAMPER
- AIM ADDRESSABLE INTERFACE MODULE
- ACM ADDRESSABLE CONTROL MODULE
- ARM ADDRESSABLE RELAY MODULE
- ELR END OF LINE RESISTOR
- KN KEYED NOTE SYMBOL
- CONVENTIONAL (HARD WIRE) CIRCUIT (NEW)
- - - DATA LINE (NEW)

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL. (816) 931-3377
 FAX. (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

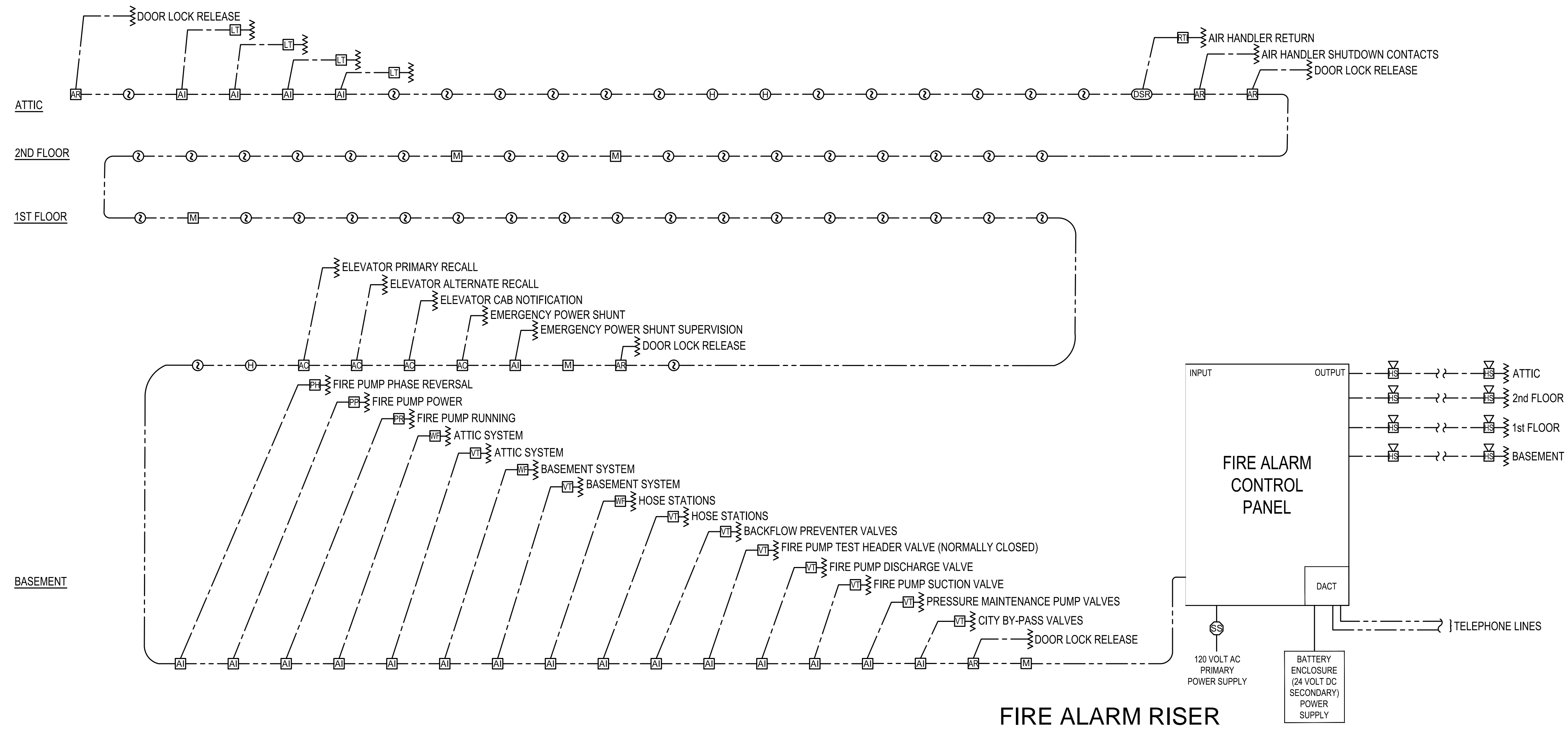
ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

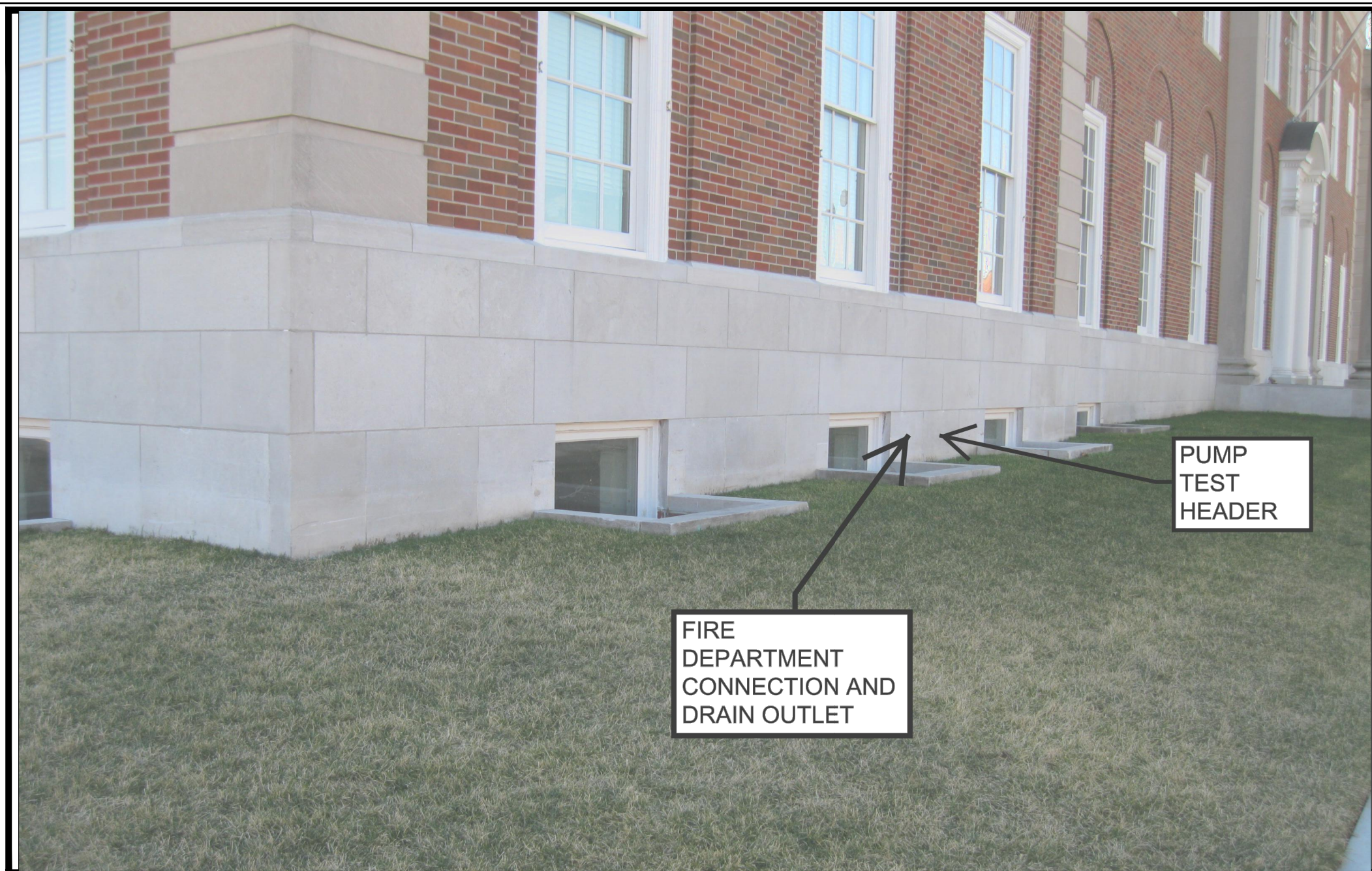
SHEET TITLE & NUMBER
 FIRE ALARM RISER

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FA-05



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
 APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.



A EXTERIOR BUILDING - EXISTING
FP-00 SCALE: NONE

LEGEND

- DOUBLE CHECK BACKFLOW PREVENTER
 - PRESSURE RELIEF VALVE
 - TEST HEADER
 - FIRE DEPARTMENT CONNECTION
 - OS&Y VALVE
 - BUTTERFLY VALVE
 - CHECK VALVE
 - GLOBE VALVE
 - BALL VALVE
 - ALARM CHECK VALVE
 - FIRE HOSE STATION (WET)
 - SPRINKLER OR DRAIN RISER
 - WATERFLOW SWITCH
 - ALARM PRESSURE SWITCH
 - HIGH/LOW PRESSURE SWITCH
 - VALVE TAMPER SWITCH
 - KEYED NOTE SYMBOL
- NEW FEED MAIN OR CROSSMAIN
 - NEW BRANCH LINE
 - EXISTING FEED MAIN OR CROSSMAIN
 - EXISTING PIPING TO BE REMOVED
 - SPRINKLER SYSTEM BOUNDARY

GENERAL NOTES

- PROVIDE WET PIPE SPRINKLER PROTECTION FOR ALL AREAS SHOWN ON THIS SHEET, WITHIN THE SPRINKLER SYSTEM BOUNDARY UNLESS SPECIFICALLY NOTED OTHERWISE.
- DETAILS OF WATER SERVICE PIPING MODIFICATIONS, NEW BOOSTER FIRE PUMP SPRINKLER ISOLATION, TEST, AND DRAIN STATIONS ARE SHOWN ON SHEET FP-04.
- THE GENERAL LOCATIONS OF RISERS, FEED MAINS, AND CROSS MAINS SHALL BE FOLLOWED UNLESS A SPECIFIC CHANGE HAS BEEN APPROVED IN WRITING BY THE ENGINEER. MINOR DEVIATIONS TO ACCOMMODATE STRUCTURAL OR EQUIPMENT CONFLICTS IS ACCEPTABLE.
- EXISTING PIPING LOCATIONS AND SIZES ARE APPROXIMATE. FIRE HOSE STATIONS SHOWN ARE EXISTING.
- THESE DRAWINGS ILLUSTRATE THE GENERAL ARRANGEMENT OF SPRINKLERS, SPRINKLER PIPING AND VALVE STATIONS FOR THE FIRE SUPPRESSION SYSTEMS THROUGHOUT THE BUILDING. THESE DRAWINGS ARE NOT INTENDED FOR DESIGN OR CONSTRUCTION USE WITHOUT FIELD VERIFICATION.
- AUTOMATIC SPRINKLER PROTECTION SHALL BE DESIGNED FOR A LIGHT HAZARD OCCUPANCY UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR DETAILS.
- CONTRACTOR SHALL COORDINATE ALL PIPING SYSTEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

KEYED NOTES

- SEE SHEET FP-04 FOR WATER SERVICE AND FIRE SUPPRESSION EQUIPMENT MODIFICATIONS.
- AREA INDICATED IS A CRAWL SPACE WITH COMBUSTIBLE CONSTRUCTION. CONTRACTOR SHALL PROVIDE AUTOMATIC SPRINKLER COVERAGE ON A MAXIMUM SPACING OF 130 SQUARE FEET PER SPRINKLER. INSTALL CONVENTIONAL (OLD-STYLE) UPRIGHT SPRINKLERS IN THIS AREA. ALL SPRINKLERS IN THIS AREA SHALL BE PROVIDED WITH A SPRINKLER GUARD.
- SPRINKLER COVERAGE ABOVE STAIR RISER IS NOT REQUIRED.
- SPRINKLER COVERAGE IN ELEVATOR PIT IS NOT REQUIRED.
- ORDINARY HAZARD, GROUP 1.
- ORDINARY HAZARD, GROUP 2.
- NEW FIRE DEPARTMENT CONNECTION. SEE ARCHITECTURAL DETAILS FOR EXACT LOCATION FOR WALL PLATE.
- NEW FIRE PUMP TEST HEADER. SEE ARCHITECTURAL DETAILS FOR EXACT LOCATION FOR WALL PLATE.
- COORDINATE RISER INSTALLATION WITH A VERTICAL HVAC DUCT TO BE INSTALLED IN THE SAME SHAFT.
- PROVIDE SPRINKLER COVERAGE FOR OPEN OFFICE 002 USING EXTENDED COVERAGE SIDEWALL SPRINKLERS. ACCEPTABLE LOCATIONS FOR ROUTING EXPOSED PIPE IN ROOM 002 ARE SHOWN.

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
3770 BROADWAY
KANSAS CITY, MISSOURI 64111
TEL: (816) 931-3377
FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

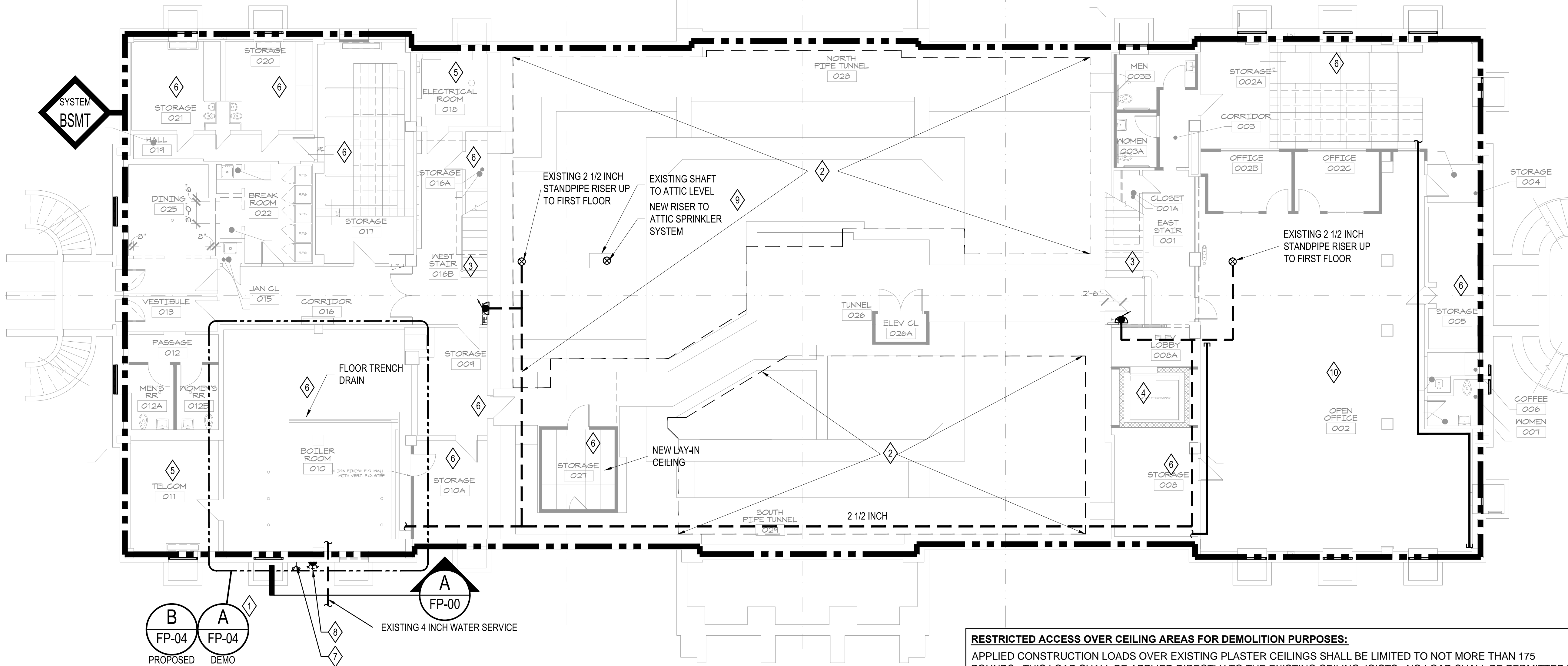
ISSUED FOR
CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

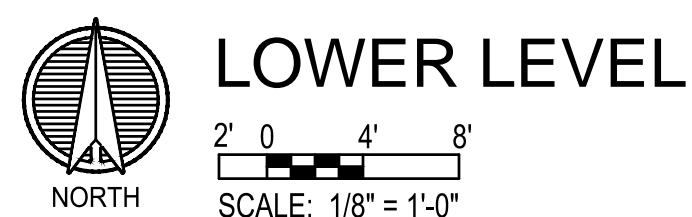
SHEET TITLE & NUMBER
LOWER LEVEL
SUPPRESSION PLAN

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FP-00



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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LEGEND

- DOUBLE CHECK BACKFLOW PREVENTER
- PRESSURE RELIEF VALVE
- TEST HEADER
- FIRE DEPARTMENT CONNECTION
- OS&Y VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- GLOBE VALVE
- BALL VALVE
- ALARM CHECK VALVE
- FIRE HOSE STATION (WET)
- SPRINKLER OR DRAIN RISER
- WATERFLOW SWITCH
- APS ALARM PRESSURE SWITCH
- HPS HIGH/LOW PRESSURE SWITCH
- VTS VALVE TAMPER SWITCH
- KEYED NOTE SYMBOL
- NEW FEED MAIN OR CROSSMAIN
- NEW BRANCH LINE
- EXISTING FEED MAIN OR CROSSMAIN
- EXISTING PIPING TO BE REMOVED
- SPRINKLER SYSTEM BOUNDARY

GENERAL NOTES

1. PROVIDE WET PIPE SPRINKLER PROTECTION FOR ALL AREAS SHOWN ON THIS SHEET, WITHIN THE SPRINKLER SYSTEM BOUNDARY UNLESS SPECIFICALLY NOTED OTHERWISE.
2. DETAILS OF WATER SERVICE PIPING MODIFICATIONS, NEW BOOSTER FIRE PUMP SPRINKLER ISOLATION, TEST, AND DRAIN STATIONS ARE SHOWN ON SHEET FP-04.
3. THE GENERAL LOCATIONS OF RISERS, FEED MAINS, AND CROSS MAINS SHALL BE FOLLOWED UNLESS A SPECIFIC CHANGE HAS BEEN APPROVED IN WRITING BY THE ENGINEER. MINOR DEVIATIONS TO ACCOMMODATE STRUCTURAL OR EQUIPMENT CONFLICTS IS ACCEPTABLE.
4. EXISTING PIPING LOCATIONS AND SIZES ARE APPROXIMATE. FIRE HOSE STATIONS SHOWN ARE EXISTING.
5. THESE DRAWINGS ILLUSTRATE THE GENERAL ARRANGEMENT OF SPRINKLERS, SPRINKLER PIPING AND VALVE STATIONS FOR THE FIRE SUPPRESSION SYSTEMS THROUGHOUT THE BUILDING. THESE DRAWINGS ARE NOT INTENDED FOR DESIGN OR CONSTRUCTION USE WITHOUT FIELD VERIFICATION.
6. AUTOMATIC SPRINKLER PROTECTION SHALL BE DESIGNED FOR A LIGHT HAZARD OCCUPANCY UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR DETAILS.
7. CONTRACTOR SHALL COORDINATE ALL PIPING SYSTEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

KEYED NOTES

1. AREA OF EXISTING PREACTION SPRINKLER SYSTEM COVERAGE IS SHOWN. CONTRACTOR SHALL REMOVE ALL SPRINKLER SYSTEM PIPING, PILOT LINE PIPING, HANGERS AND ALL OTHER SYSTEM COMPONENTS BACK TO EXISTING PREACTION VALVE. SEE SHEET FP-04 FOR ADDITIONAL DEMOLITION OF PREACTION VALVE.
2. FIRST FLOOR WILL BE NONSPRINKLERED.
3. SPRINKLER ZONE BELL MOUNTED ON COLUMN SHALL BE REMOVED.
4. COORDINATE RISER INSTALLATION WITH A VERTICAL HVAC DUCT TO BE INSTALLED IN THE SAME SHAFT.

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL: (816) 931-3377
 FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

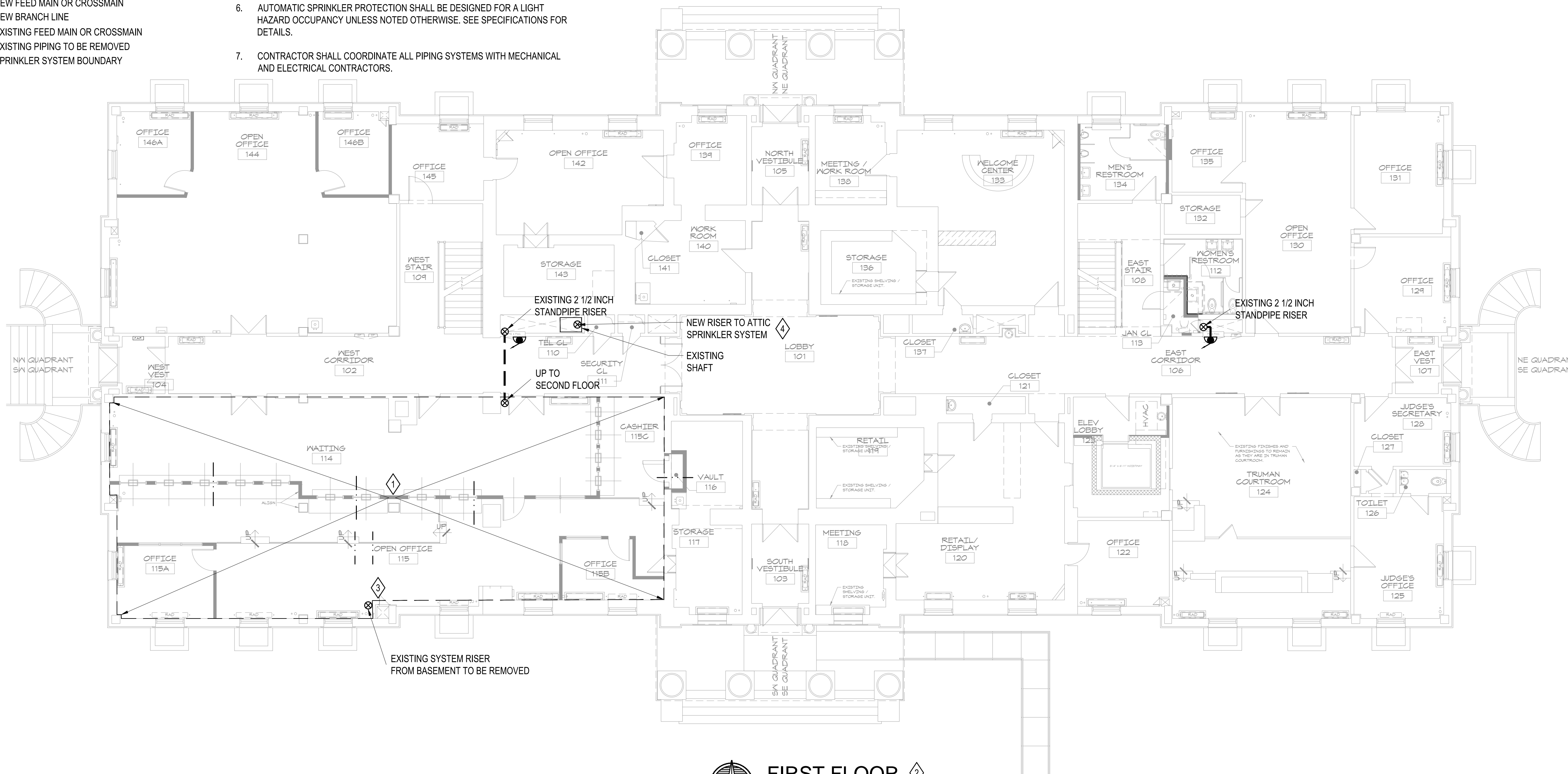
PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER
 FIRST FLOOR FIRE SUPPRESSION PLAN

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FP-01

PLOT: JENNIFER BRAY October 19, 2012 8:34 AM 1" = 1/4" KIP-B&W-FULLSIZE.CTB (LAYOUT: FP-01 FIRST FLOOR FIRE SUPPRESSION PLAN)
 JENNIFERB Thursday, October 18, 2012 2:45:00 PM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FPFP-01.DWG



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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LEGEND

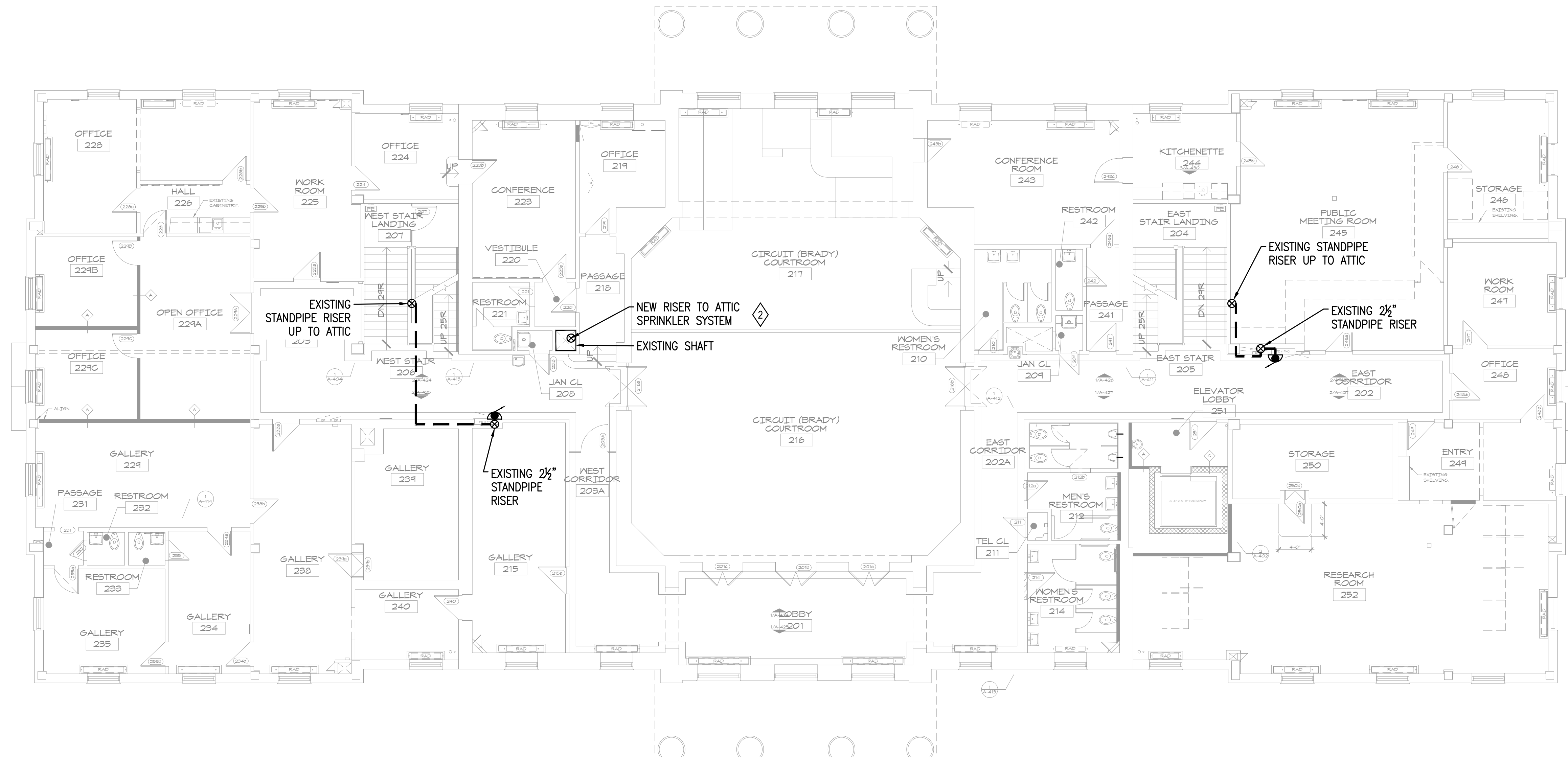
- DOUBLE CHECK BACKFLOW PREVENTER
 - PRESSURE RELIEF VALVE
 - TEST HEADER
 - FIRE DEPARTMENT CONNECTION
 - OS&Y VALVE
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 - HIGH/LOW PRESSURE SWITCH
 - VALVE TAMPER SWITCH
 - KEYED NOTE SYMBOL
-
- NEW FEED MAIN OR CROSSMAIN
 - NEW BRANCH LINE
 - EXISTING FEED MAIN OR CROSSMAIN
 - EXISTING PIPING TO BE REMOVED
 - SPRINKLER SYSTEM BOUNDARY

GENERAL NOTES

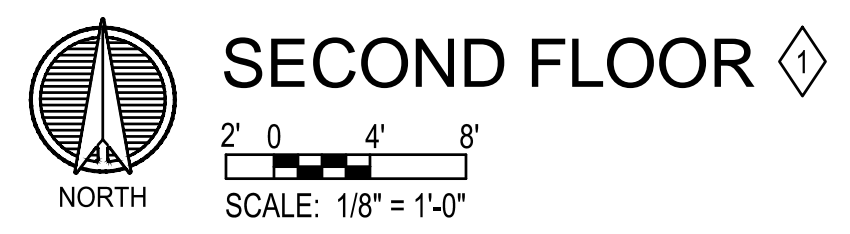
1. PROVIDE WET PIPE SPRINKLER PROTECTION FOR ALL AREAS SHOWN ON THIS SHEET, WITHIN THE SPRINKLER SYSTEM BOUNDARY UNLESS SPECIFICALLY NOTED OTHERWISE.
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6. AUTOMATIC SPRINKLER PROTECTION SHALL BE DESIGNED FOR A LIGHT HAZARD OCCUPANCY UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR DETAILS.
7. CONTRACTOR SHALL COORDINATE ALL PIPING SYSTEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

KEYED NOTES

- SECOND FLOOR WILL REMAIN NONSPRINKLERED
- COORDINATE RISER INSTALLATION WITH A VERTICAL HVAC DUCT TO BE INSTALLED IN THE SAME SHAFT.



RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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SECOND FLOOR

FIRE PROTECTION:
FP&C CONSULTANTS, INC.
 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL: (816) 931-3377
 FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

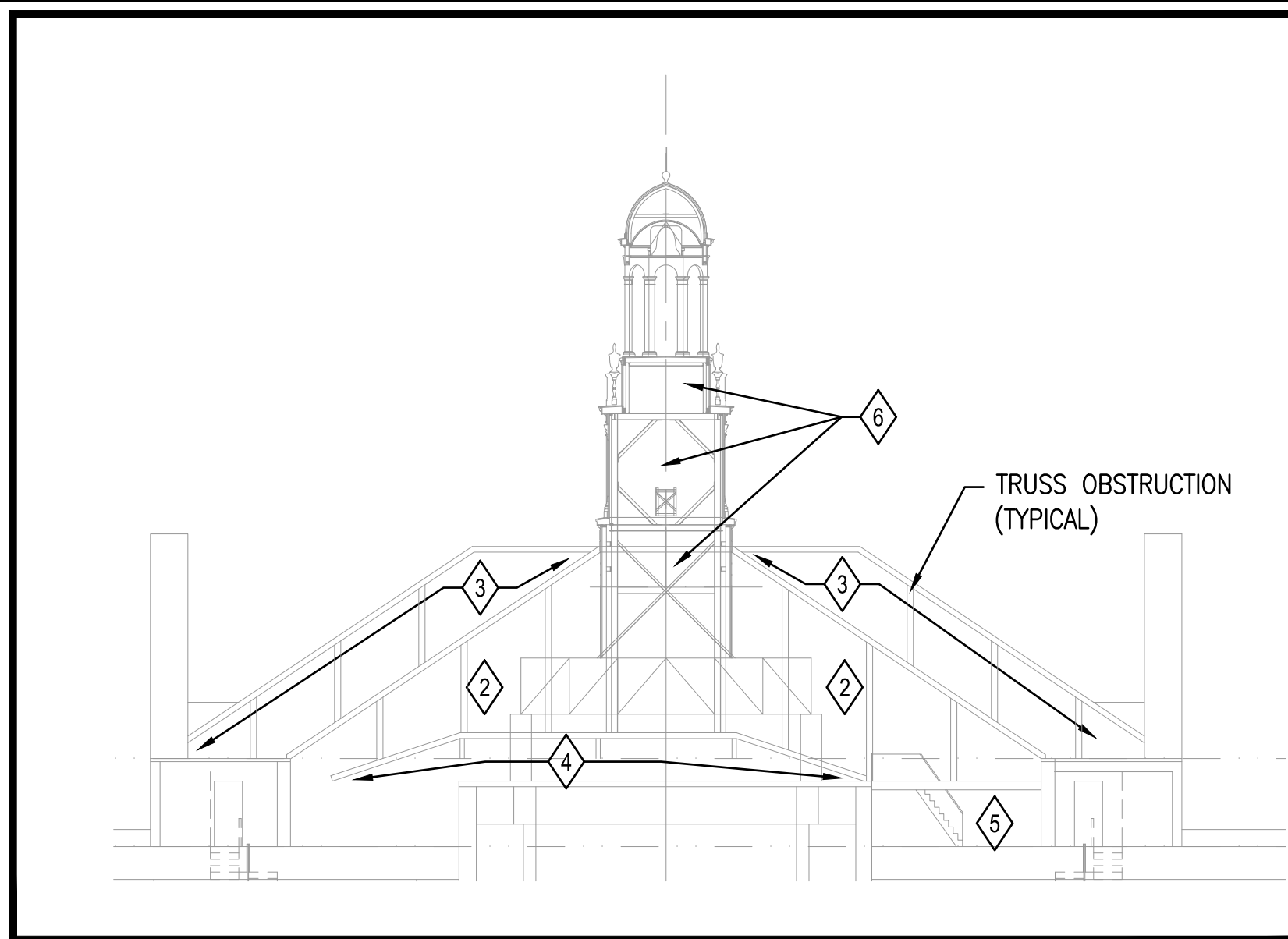
PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION
SHEET TITLE & NUMBER	
SECOND FLOOR FIRE SUPPRESSION PLAN	

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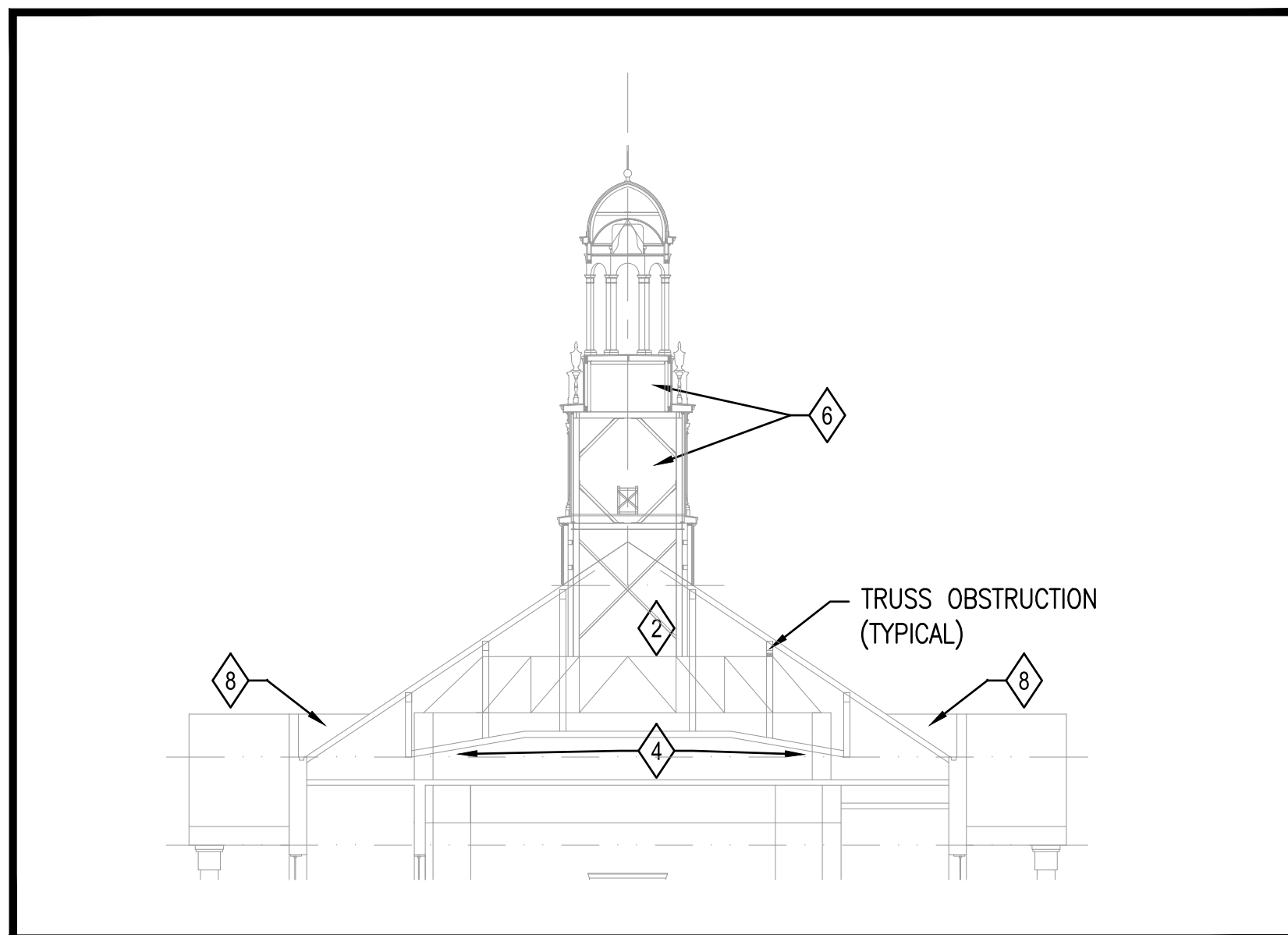
FP-02

PLOT: JENNIFER BRAY October 19, 2012 8:35 AM 1" = 1'-0" KP-B&W-FULLSIZE.CTB (LAYOUT: FP-02 SECOND FLOOR FIRE SUPPRESSION PLAN)
 JENNIFER B Thursday, October 18, 2012 P:\ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FP-02.DWG

PLOT: JENNIFER BRAY October 19, 2012 8:37 AM 1" = 1'-0" (KP-B&W-FULLSIZE.CTB) LAYOUT: FP-03 THIRD FLOOR FIRE SUPPRESSION PLAN
 JENNIFERB Thursday, October 18, 2012 10:12 P:\ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FP-03.DWG



A ATTIC SECTION - NORTH VIEW
 FP-03 SCALE: 1/16" = 1'-0"



B ATTIC SECTION - EAST VIEW
 FP-03 SCALE: 1/16" = 1'-0"

RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:
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LEGEND

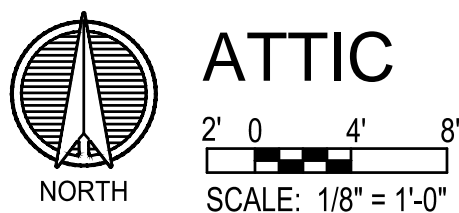
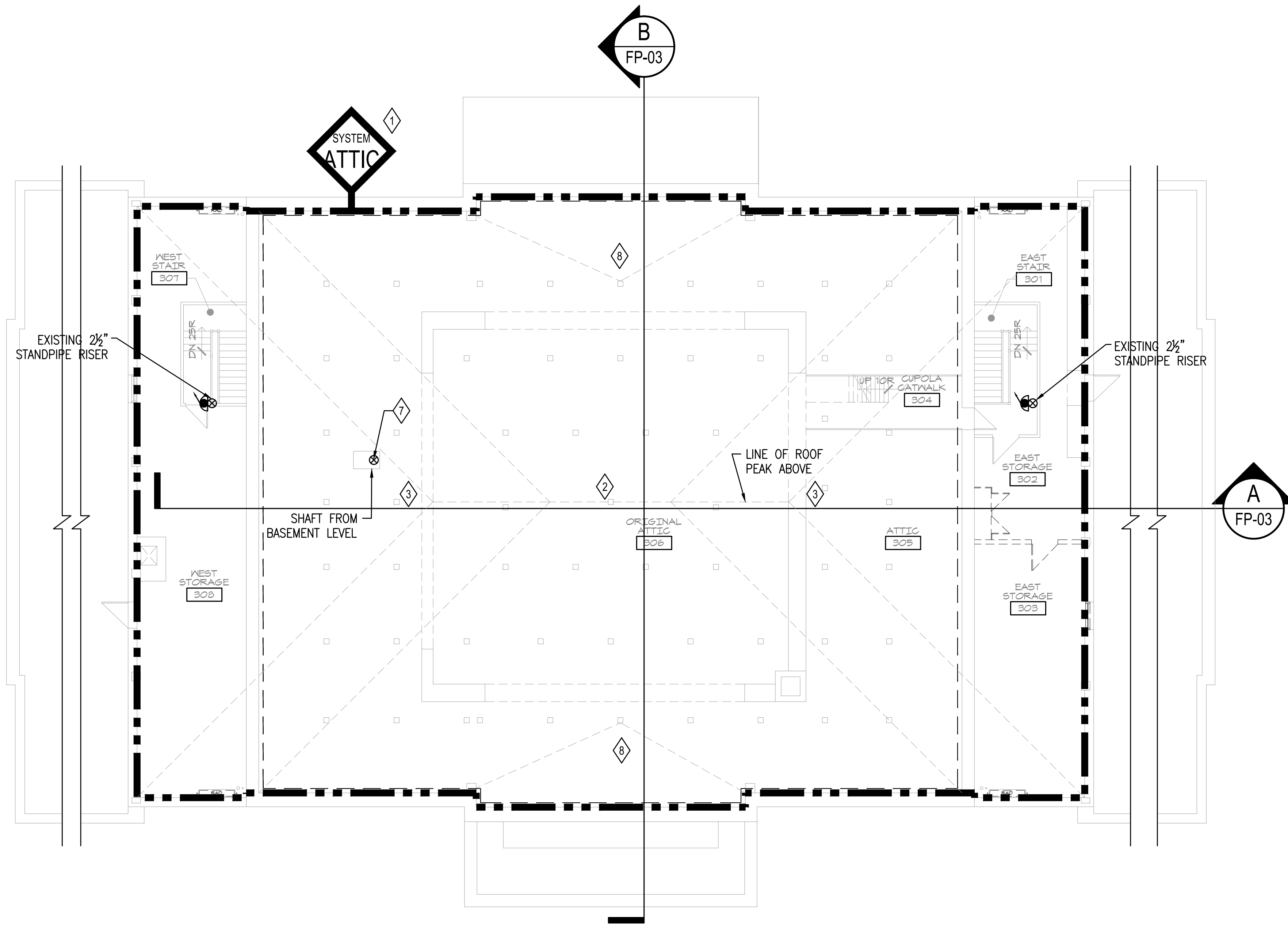
- DOUBLE CHECK BACKFLOW PREVENTER
 - PRESSURE RELIEF VALVE
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 - GLOBE VALVE
 - BALL VALVE
 - ALARM CHECK VALVE
 - FIRE HOSE STATION (WET)
 - SPRINKLER OR DRAIN RISER
 - WATERFLOW SWITCH
 - ALARM PRESSURE SWITCH
 - HIGH/LOW PRESSURE SWITCH
 - VALVE TAMPER SWITCH
 - KEYED NOTE SYMBOL
- NEW FEED MAIN OR CROSSMAIN
 - NEW BRANCH LINE
 - EXISTING FEED MAIN OR CROSSMAIN
 - EXISTING PIPING TO BE REMOVED
 - SPRINKLER SYSTEM BOUNDARY

GENERAL NOTES

- PROVIDE WET PIPE SPRINKLER PROTECTION FOR ALL AREAS SHOWN ON THIS SHEET, WITHIN THE SPRINKLER SYSTEM BOUNDARY UNLESS SPECIFICALLY NOTED OTHERWISE.
- DETAILS OF WATER SERVICE PIPING MODIFICATIONS, NEW BOOSTER FIRE PUMP SPRINKLER ISOLATION, TEST, AND DRAIN STATIONS ARE SHOWN ON SHEET FP-04.
- THE GENERAL LOCATIONS OF RISERS, FEED MAINS, AND CROSS MAINS SHALL BE FOLLOWED UNLESS A SPECIFIC CHANGE HAS BEEN APPROVED IN WRITING BY THE ENGINEER. MINOR DEVIATIONS TO ACCOMMODATE STRUCTURAL OR EQUIPMENT CONFLICTS IS ACCEPTABLE.
- EXISTING PIPING LOCATIONS AND SIZES ARE APPROXIMATE. FIRE HOSE STATIONS SHOWN ARE EXISTING.
- THESE DRAWINGS ILLUSTRATE THE GENERAL ARRANGEMENT OF SPRINKLERS, SPRINKLER PIPING AND VALVE STATIONS FOR THE FIRE SUPPRESSION SYSTEMS THROUGHOUT THE BUILDING. THESE DRAWINGS ARE NOT INTENDED FOR DESIGN OR CONSTRUCTION USE WITHOUT FIELD VERIFICATION.
- AUTOMATIC SPRINKLER PROTECTION SHALL BE DESIGNED FOR A LIGHT HAZARD OCCUPANCY UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR DETAILS.
- CONTRACTOR SHALL COORDINATE ALL PIPING SYSTEMS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.

KEYED NOTES

- 1 PROVIDE AND INSTALL WET PIPE AUTOMATIC SPRINKLER PROTECTION THROUGHOUT MULTIPLE LEVELS OF ATTIC AREAS AND COMBUSTIBLE SPACES INDICATED BY DETAILS A AND B. SEE SPECIFICATION SECTION 15300 FOR DETAILS.
- 2 ORIGINAL ATTIC AREA.
- 3 CONCEALED ATTIC.
- 4 COMBUSTIBLE CONCEALED SPACE.
- 5 COMBUSTIBLE SPACE. LOCATE SPRINKLER PROTECTION UNDER DECK.
- 6 COMBUSTIBLE CUPOLA LEVELS.
- 7 ROUTE SPRINKLER RISER FOR ATTIC SPRINKLER SYSTEM IN EXISTING SHAFT. COORDINATE RISER INSTALLATION WITH A VERTICAL HVAC DUCT TO BE INSTALLED IN THE SAME SHAFT.
- 8 EXTEND SPRINKLER COVERAGE TO CONCEALED HIP ROOF CONNECTION TO BUILDING PORTICO. INSTALL DRY SIDEWALL SPRINKLERS FOR COVERAGE OF THIS SPACE.



FIRE PROTECTION:
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 3770 BROADWAY
 KANSAS CITY, MISSOURI 64111
 TEL: (816) 931-3377
 FAX: (816) 931-3378

HISTORIC TRUMAN COURTHOUSE
 INTERIOR RENOVATION
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

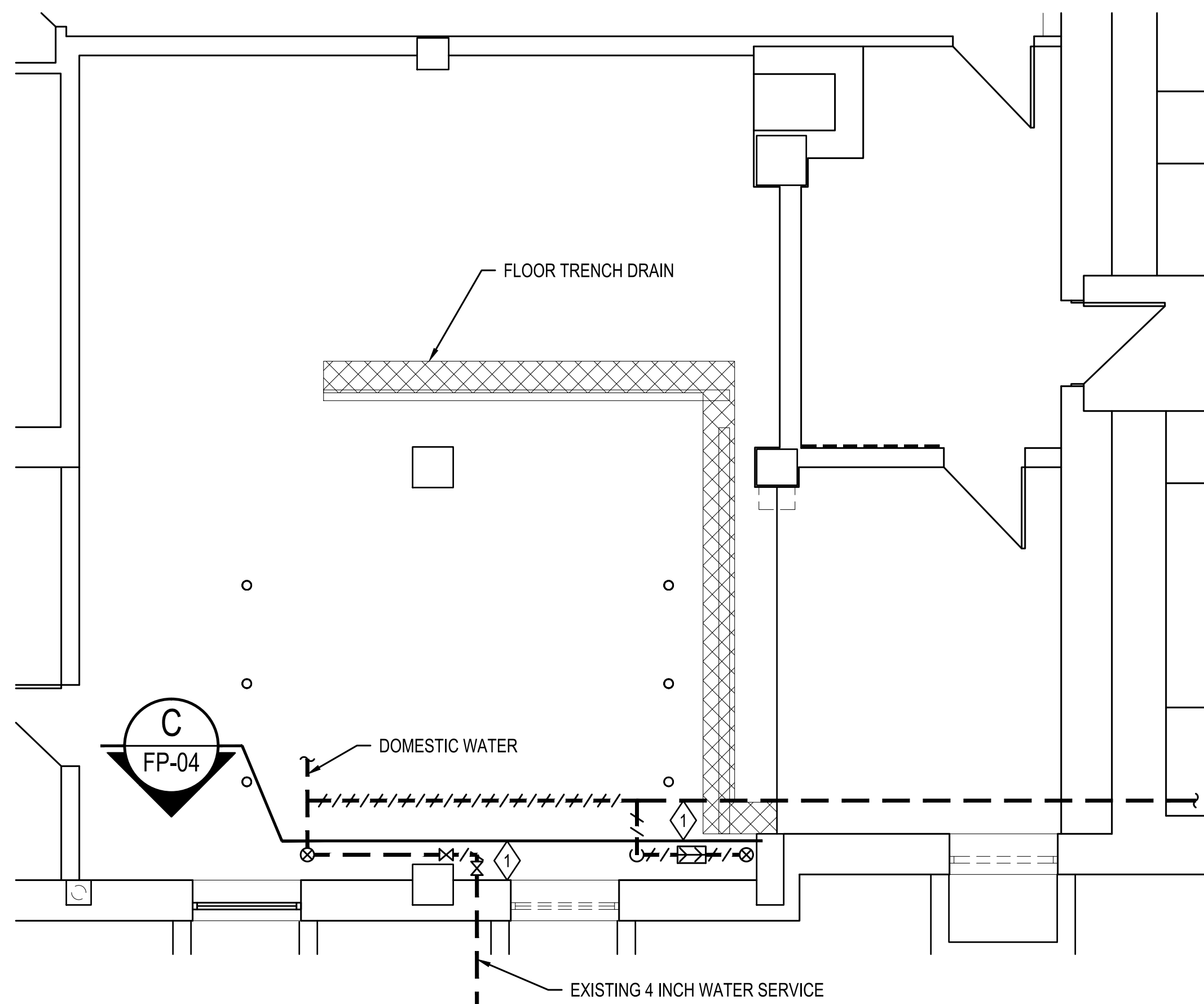
PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JRB
CHECKED BY	JRB
CHECKED BY	JAS
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER
 THIRD FLOOR FIRE SUPPRESSION PLAN

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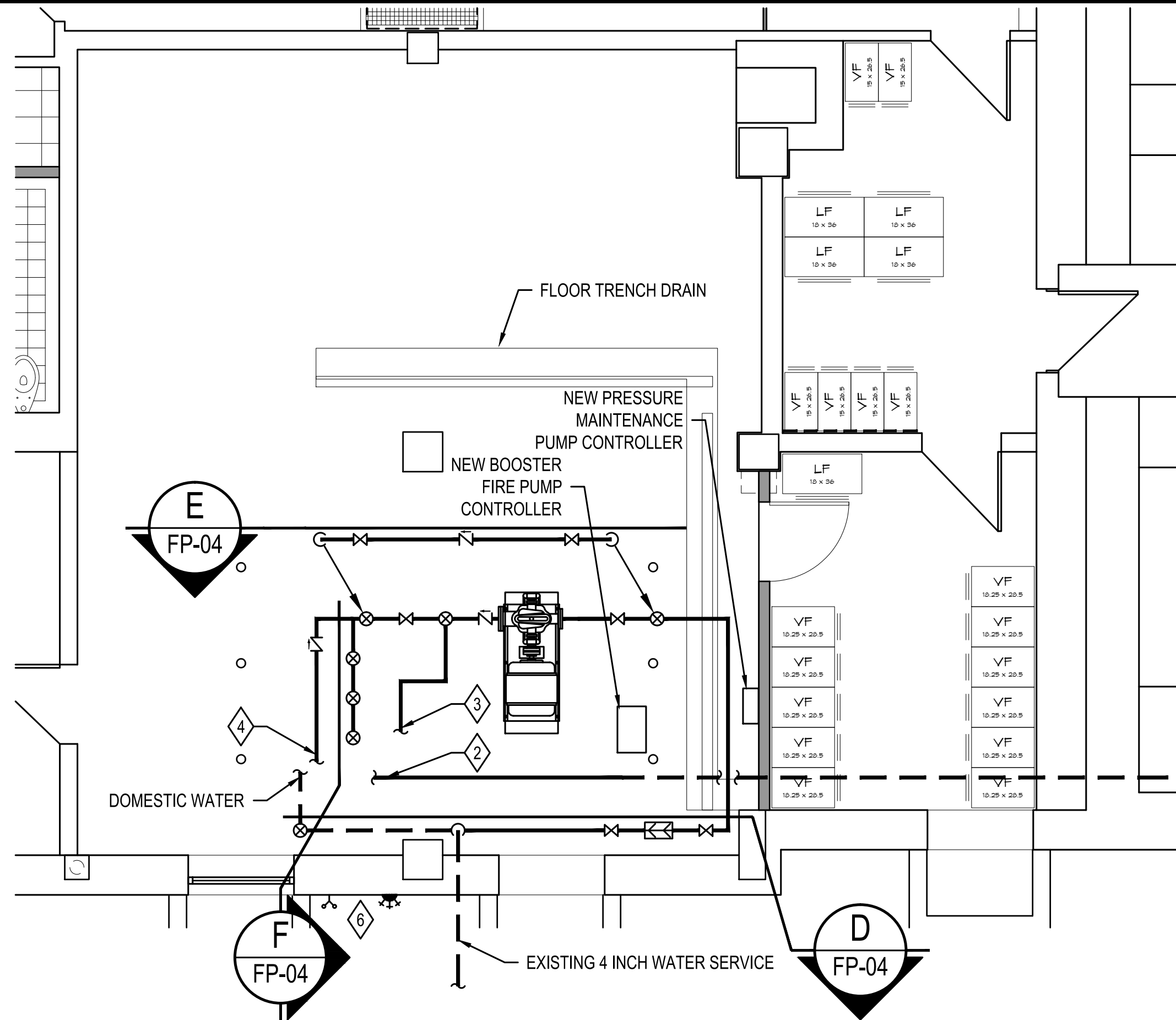
FP-03

PLOT: JENNIFER BRAY October 10, 2012 8:38 AM 11 = 1'-0" (KP-B&W-FULLSIZE.CTB (LAYOUT: FIRE SUPPRESSION DETAILS))
 JENNIFERB Thursday, October 18, 2012 9:45 AM ACTIVE PROJECTS\765600 JACKSON COUNTY HISTORIC COURTHOUSE (IAA)\CAD\CURRENT\FP-04 FIRE SUPPRESSION DETAILS.DWG



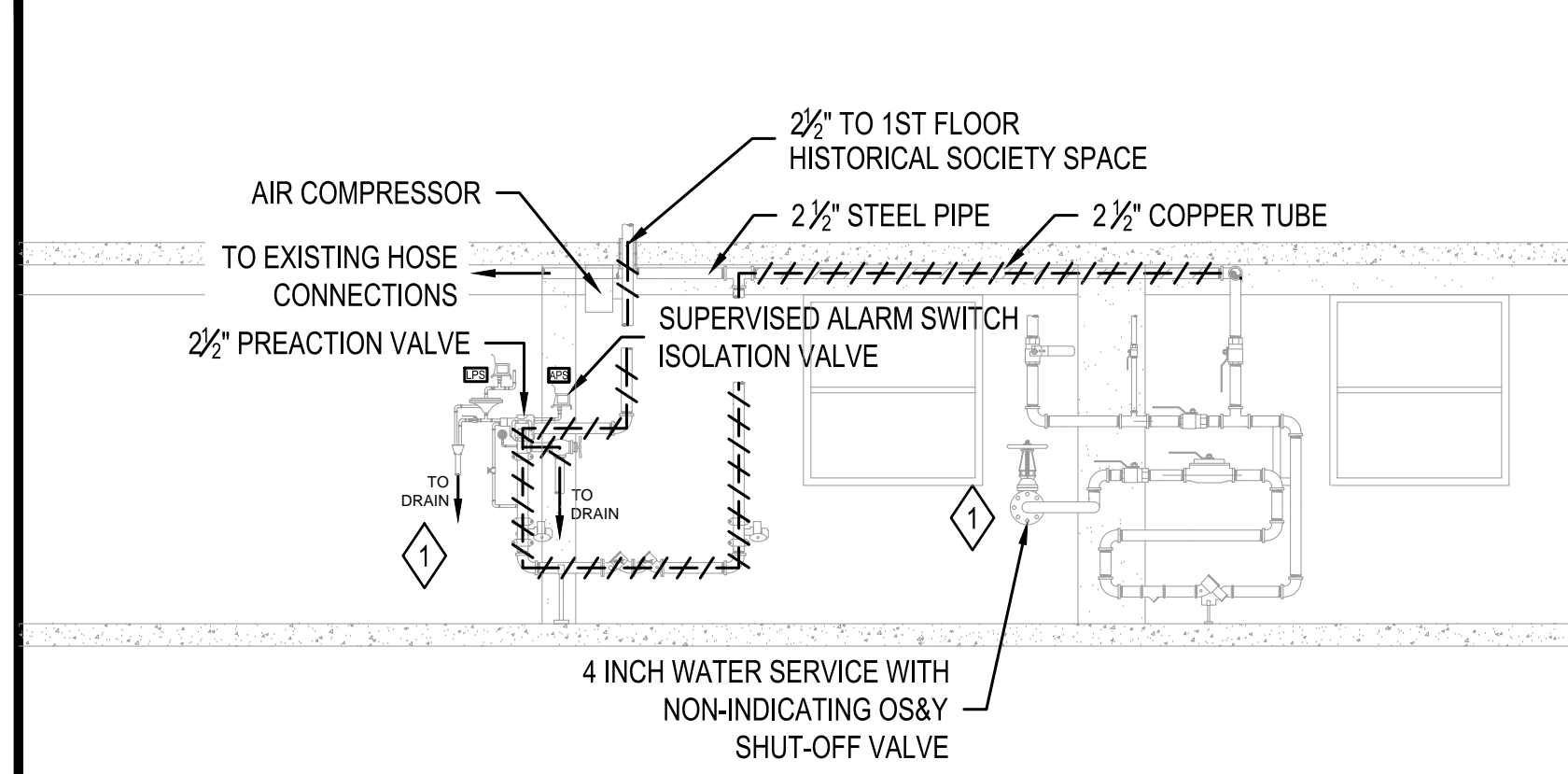
A WATER SERVICE DEMOLITION PLAN

FP-00 SCALE: 1/4" = 1'-0"



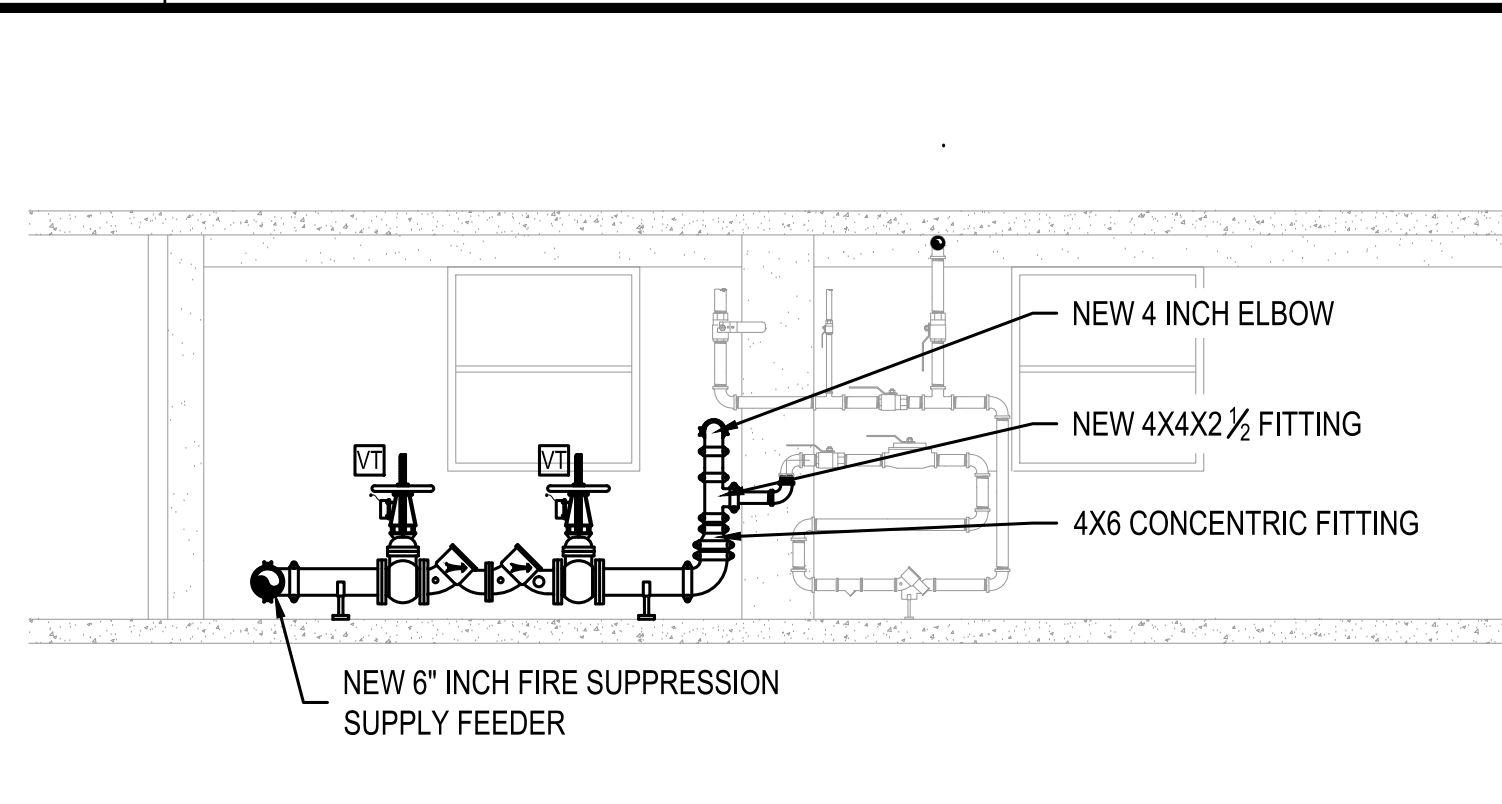
B NEW FIRE SUPPRESSION AND DOMESTIC WATER SERVICE PLAN

FP-00 SCALE: 1/4" = 1'-0"



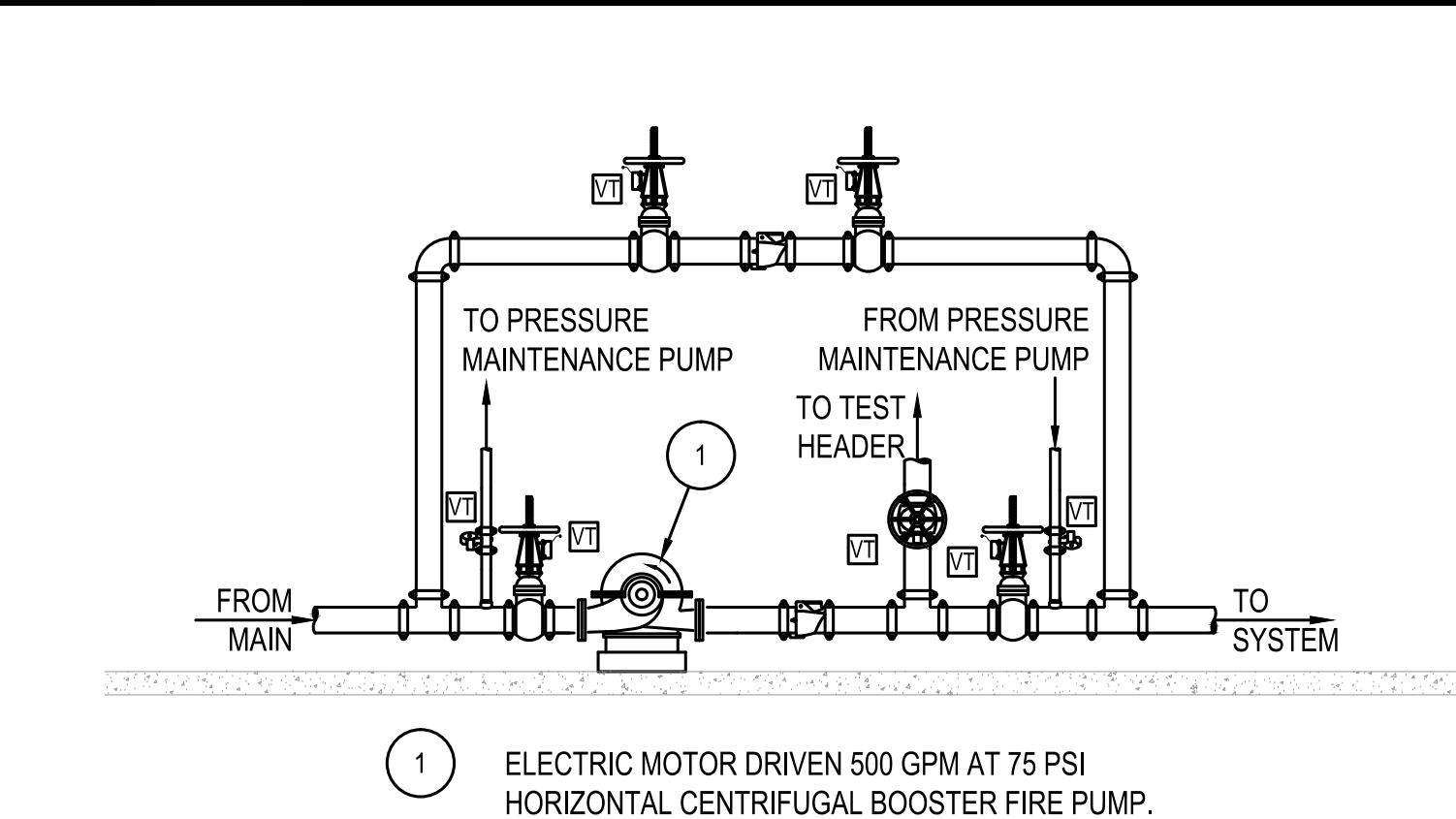
C WATER SERVICE MANIFOLD & PREACTION SPRINKLER VALVE DEMO DETAIL

FP-04 SCALE: NONE



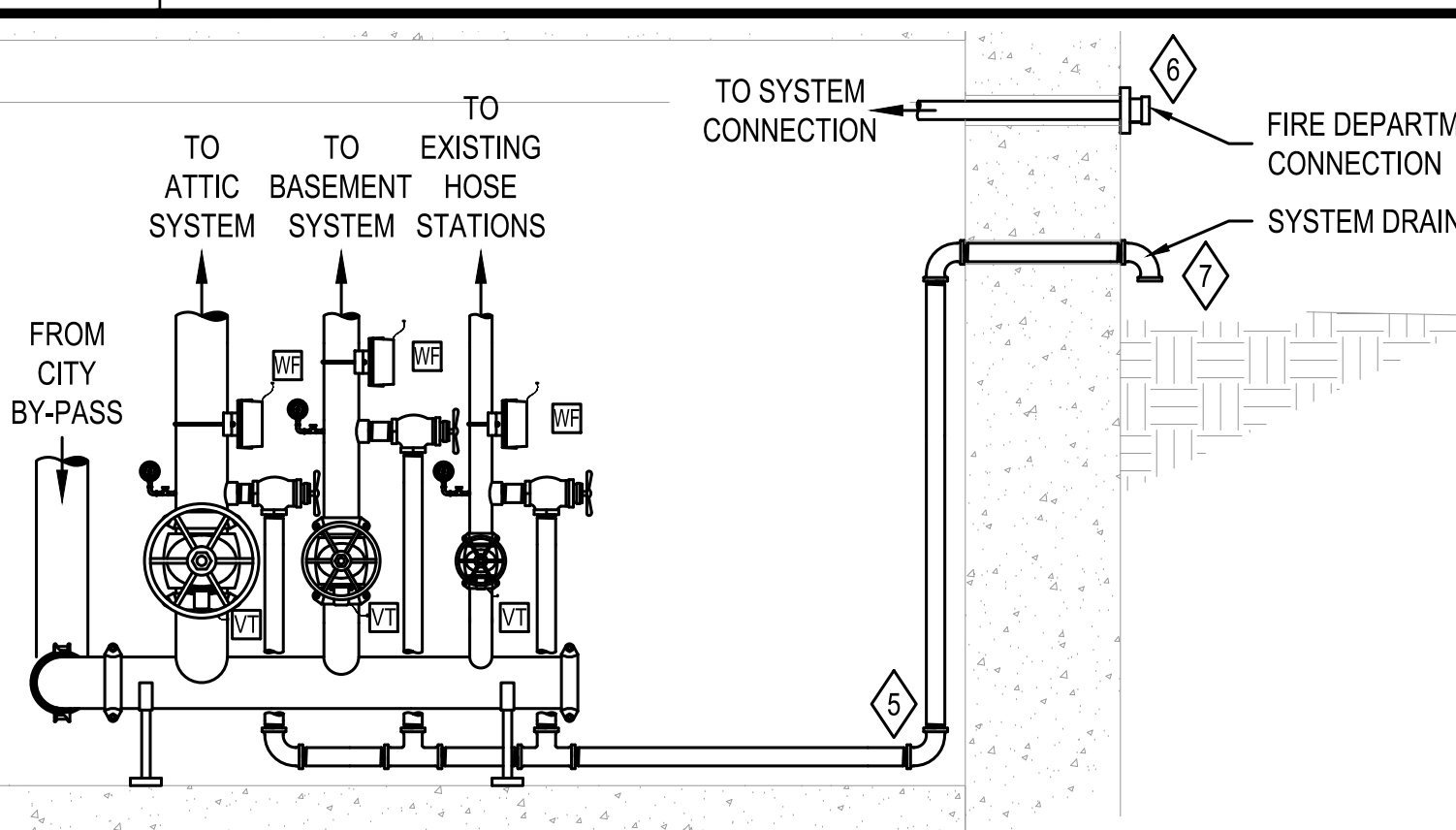
D MODIFIED WATER SERVICE MANIFOLD DETAIL

FP-04 SCALE: NONE



E FIRE PUMP DETAIL

FP-04 SCALE: NONE



F WET PIPE VALVE STATIONS

FP-04 SCALE: NONE

LEGEND

- ☒ DOUBLE CHECK BACKFLOW PREVENTER
- ☒ PRESSURE RELIEF VALVE
- ☒ TEST HEADER
- ☒ FIRE DEPARTMENT CONNECTION
- ☒ OS&Y VALVE
- ☒ BUTTERFLY VALVE
- ☒ CHECK VALVE
- ☒ GLOBE VALVE
- ☒ BALL VALVE
- ☒ ALARM CHECK VALVE
- ☒ FIRE HOSE STATION (WET)
- ☒ SPRINKLER OR DRAIN RISER
- ☒ WATERFLOW SWITCH
- ☒ APS ALARM PRESSURE SWITCH
- ☒ HPS HIGH/LOW PRESSURE SWITCH
- ☒ VTS VALVE TAMPER SWITCH
- ☒ KEYED NOTE SYMBOL

- NEW FEED MAIN OR CROSSMAIN
- NEW BRANCH LINE
- - - EXISTING FEED MAIN OR CROSSMAIN
- / - / - / - EXISTING PIPING TO BE REMOVED
- ▬▬▬ SPRINKLER SYSTEM BOUNDARY

KEYED NOTES

- 1 REMOVE EXISTING PREACTION SPRINKLER VALVE, BACKFLOW PREVENTER, ALL PIPING AND RELATED EQUIPMENT. REMOVE AND REPLACE EXISTING 4 INCH NON-INDICATING OS&Y ISOLATION VALVE.
- 2 EXTEND 2 1/2 INCH HOSE CONNECTION FEED MAIN. CONNECT TO NEW VALVE STATION.
- 3 EXTEND BOOSTER FIRE PUMP TEST HEADER LINE TO WALL MOUNTED TEST HEADER.
- 4 EXTEND FIRE DEPARTMENT CONNECTION LINE TO WALL MOUNTED FDC.
- 5 INSTALL LOW POINT DRAIN ON DRAIN LINE.
- 6 SEE ARCHITECTURAL DETAILS FOR EXACT LOCATIONS FOR FIRE DEPARTMENT CONNECTION AND PUMP TEST HEADER WALL PLATES.
- 7 OUTLET OF SYSTEM MAIN DRAIN SHALL BE ARRANGED WITH A THREADED CONNECTION FOR ATTACHING A 1 1/2 INCH FIRE HOSE.

RESTRICTED ACCESS OVER CEILING AREAS FOR DEMOLITION PURPOSES:

APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

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FP-04